

<223> Clone ID: 700962636H1

<400> 15717

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tgtcaaaaga aattcaccat gcttcagact tggcccgtag gtacaccaag gcctgttgca 180
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<210> 15718

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700962637H1

<400> 15718

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aaactggtgt tcacctaagc gcatggatga agagttcatt gaccaagatc accatatggg 180
gagtaggcat tttgatggca aagacactat ttttgaccag acacatttgg gtttactagt 240
a 241

<210> 15719

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700962638H1

<400> 15719

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cgaccacgaa gccactgcag tcagtcactt cgtcgggacg ctaccgcttg tcaccattt 180
acgagctcac accgtcgcga ttccaccgcc gacagccagt gtgaccccca gatgagtatc 240
acta 244

<210> 15720
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962639H1

<400> 15720

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<210> 15721
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962640H1

<400> 15721

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 cactcatcgc agccgagtat gctggcgctc aagttgattc tgccgctaata tttgagatgg 180
 gtgtctccac taaaactcct gaattttctca agatcggtcc tattggcaag gttcctgtgg 240
 tg 242

<210> 15722
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962641H1

<400> 15722

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 acatgtgaag agtaatgaat gtgcaaagat atcatcagag aatggaatat gtcacatga 180
 ggatgcagga agtgctgaca tcattattgt ggggtgctggg gttgctgggt cagctcttgc 240
 ttgca 245

<210> 15723
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 <213> Glycine max

 <223> Clone ID: 700962642H1

 <400> 15723

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 tacttgattc cctgcgttat agctcttgct ctattctccc tcaccggact cctcctctac 180
 aaggtggacg acgttgcttc tcgcaccgga acggggtggg tcacaaccta gaaccgacgc 240
 cg 242

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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962643H1

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 agaagcagtg aagtgattat ataccacaa gccattttca gggatccatt cagaaggggc 180
 aacaatatct tggttatctg tgatacttac actccagctg gagaacccat tcccactaac 240
 aa 242

<210> 15725
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962644H1

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 aattcggcga ggccgtgtgg ttcaaggccg gtgcacagat cttctcagag ggaggccttg 120

actacgtggg caacccaaac ctgatccatg ctacagagcat ccttgctatc tgggctgttc 180
 aggttggtgct catgggggtt gttgaagggt acagagttgg tggaggacca cttggtgaag 240
 ga 242

<210> 15726
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962646H1

<400> 15726

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 ccgagtatga ctatctgttc aagctccttc tgattggaga ctctgggtgtt ggtaaatacat 180
 gccttcttct aagatttgct gatgattcat acattgagag ctacataagc accatcggag 240
 ttg 243

<210> 15727
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962647H1

<400> 15727

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 aggttctcta tcgggtttgg gttcaatgga gaaatttcgc gttcacaggt gctgtcaagg 180
 agatgctatg cgtcacctca gatctcccc caccacagga aattggaatg ccttctctct 240
 ca 242

<210> 15728
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962616H1

002260-032560

<400> 15728

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 ctcagggtcaa gtctctaaga ggcgacagta ggcaatttca gagtattgtg gatgagaaat 180
 tgaaagagat tggacctctg cagcaagcac tgggcaagct gcggactaca aatgatgccg 240
 gccgggggtgg ttt 253

<210> 15729

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700962576H1

<400> 15729

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 tttttggttt gggagaggag aaaccaagaa ttaagaaatg ggttgctccg taagagtttg 180
 ttgtgtctta tttttggtgt tgttggtggc atgtgtaga ggggaggacc cttatagatt 240
 ct 242

<210> 15730

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700962577H1

<400> 15730

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 cgacaaagaa cggatgattg caagagtga gccctagtc aacatgggtc agatcagcag 180
 ggtgactgta cccatgaatc tttcccttgc tgtagttgca gagcttgatg atctaactgt 240
 cg 242

<210> 15731
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962578H1

 <400> 15731

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 gccttcgggtt aagtgcacac tccttctcta ccaaaagaga ggatgaggaa agggagcaac 180
 tcgcaaagga catttcaagg attggagttc tgtctttgaa cgtagcatta acactctctt 240
 tctca 245

<210> 15732
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962580H1

 <400> 15732

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 gcagcaccca gtaccagcc ctctgctctc catcctctc cgtctacgcc tccagcatcc 180
 aacaggaccc tcaccaactg gttcagacag cactctccct ctccctgaac cgcacccaag 240
 cgaccaaaa 248

<210> 15733
 <211> 98
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962581H1

 <400> 15733

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 tagcaacaag gacaattttg cacaaataat atctgcta 98

<210> 15734
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962582H1

 <400> 15734

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 ctttcttagt gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc 120
 tgaatcagtg aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct 180
 cgatgcatgc ttggagcagg accctgacag caaggttgcc tgtgaaacct gcaccaagac 240
 caac 244

<210> 15735
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962583H1

 <400> 15735

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 atgtacgagc catggtgatc aaggcattaa tctggatgca aggtccattt gactcatttg 120
 atgaactaga atttattatt gcatcggaac tttctgatcc agcttggcca gcagcactat 180
 tgaatgatgt actactcact ttgcatgtac gttttaaggc ttctccagat atggctgtta 240
 ctctt 245

<210> 15736
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700962584H1

 <400> 15736

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 accgtgaagc cgcagacatg atcaagaagg gaaagatgtg tgctctcttc atcaacgatc 120
 ttgatgcagg agctggctgt cttggtggaa ctacacaata cactgtcaac aaccagatgg 180

tgaatgccac cctcatgaac attgctgata accccaccaa tgtgcagctt cctgggtatgt 240

acaa 244

<210> 15737

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700962585H1

<400> 15737

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cttttagcagc aacaccaaag cagaaaaaga aacaatccac gaccatgcaa acaaaaagac 120

ctacataatc cacatggacg agaccaccat gcccttaacc ttcaccgacc acctcagctg 180

gttcgacgcc tccctcaaatt cagcgtcccc ctccgcgag attctctaca cttacaaaca 240

cgtggcc 247

<210> 15738

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 700962587H1

<400> 15738

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taaaatttgt ggagaacaga ccatttaatg accagagata ctttcttgat gatgaaaagc 120

ttaagatctt gggttggtct gagaggacca cttgggaaga gggcttgaag aaaaccatgg 180

actggtatat caacaattct gattggtgg 209

<210> 15739

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700962588H1

<400> 15739

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tcgattaccc atttggttat ttgcgcctaa tggctcttgc tccatccaaa gtttccacct 120
 tttctgggtt ttctcccaaa ccagtggtg ggggtgctca gaaaaacca acttgctctg 180
 tttctctgag ctttttgaat gagaaacttg gaagcagaaa ccttaggggt tgtgcctcaa 240
 cggtgcc 247

<210> 15740
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962589H1

<400> 15740

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 attccctggt gcgggtgatt cttgaggaca ggcagagata ggattaactt aatatgacga 120
 cagcacacca ttgcaattta ccattctaca tttaggcaat gccagccacc caatagataa 180
 tagcaataag tctttcttca cttcaactcg cactgggtatt taaacaagtc tgatgggttc 240
 aag 243

<210> 15741
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962593H1

<400> 15741

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 accccaaggc gtgtaattct cccctacgca atttgaggat ccgtgctgtt tcaaccacac 120
 ataatcacat accagctgct ccagtttttc ttcccgatag accatggaac cagattcctg 180
 gtggagttac tgctgcggag ggattcaaag ctgcgggaat gtacggaggt ttacgtgcc 240
 aagg 244

<210> 15742
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962595H1

<400> 15742

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tcactcttcgc gtgttggtggc ttaacgtgcg ccggaaatgg aggaggagca gcagactttt 120
gtgtccaaag cgagaaccgc ctttcattcc gccgcggcca aagcggagcg cgttctcttg 180
gatttcaaata ccgatcgaga tcacgataaa caatcgctgc ccaacacctt caccggccaa 240
caac 244

<210> 15743

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700962601H1

<400> 15743

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gggtatcgag tcgctgtttc ccattcaggc catgaccttc gacaccgttc tcgatgggtc 120
tgatttggtt ggccgtgctc gcactgggtca gggtaaaact ctggcatttg tgttgccccat 180
attagagtct ttaataaatg gtccagcaaa atctgccaca aagactggct acgggaggac 240
tccgagtgtt ctcgtg 256

<210> 15744

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700962602H1

<400> 15744

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gcatggcttt gttggtggag aaaaccacga gtggtcgcga gtacacgggtg aaggaccttt 120
cccaggccga cttcggccgc ctcgagatcg agctggccga gggtgagatg cccggcctca 180
tggcctgtcg gaccgagttc ggcccctccc agcccttcaa gggggccgc atcacgggt 240
ccctccacat gaccatccag aacgccgttc tca 273

<210> 15745
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962603H1

<400> 15745

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 ccacatcttg ggttaccaag acaccttgta cgtccagacc aacaggcaat tctaccgcaa 180
 ctgcgtcatc tccggcacag tcgacttcat cttcggcacc tctccaccg tgatccagca 240
 ctccgttatac 250

<210> 15746
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962604H1

<400> 15746

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 cgtaacagaa gcaaacctaa agaaggctgg cttccacaca tgggagcagt taattctcaa 120
 ggatccacat gctatcactc caaatgcact ttcatacaaa tcagcaatga gagagaatct 180
 gttgaggcag ggatacagaa ttgttggaat cattggagac caatggagcg atctgcttgg 240
 agaccacag 249

<210> 15747
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962605H1

<400> 15747

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 gttattattg ggaaagatga tctcatgat attgctgctg tggatagtcc aagaagatgc 120

<400> 15753

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 tcaggcatgg gaatatattc ctcttggtcc atttcttgga caagagtttt ggcacaacaa 120
 tatcaccttg gattgtgacc ttggaagcat tagaaccttt tgccagtga gccccaaaac 180
 aggatccttc tccagttcca tacttgactg agaaagaacc caaaatctat gatatttccc 240
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<210> 15754

<211> 92

<212> DNA

<213> Glycine max

<223> Clone ID: 700962613H1

<400> 15754

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<210> 15755

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700962575H1

<400> 15755

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 caagcattga aatgaagaca gggcgaaagg atagcaaaga aagctatgca acggaggtgg 180
 aagccttgat tccaaaccac aatgattcca tgtcctcagt gctgtctcgt tttcaagcca 240
 ttggc 245

<210> 15756

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700962614H1

<210> 15759
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962539H1

<400> 15759

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 gggtgacagc agagcctgag accaaagtgc tcagaattga acctgaacat gacttggttaa 180
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 aatagtgtct t 251

<210> 15760
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962540H1

<400> 15760

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 tggaagaagc aaaagcagta ctaaggctgg ttcctatttg ggctacaact ctggtttatg 120
 ctgtggtgtt tgctcaagtt cctacgttct ttaccaagca agggattact atggagagaa 180
 caatatttcc tggctttgac ataccgctg cttctcttca aacgcttgct actgtggcca 240
 ttgtcctgtt ca 252

<210> 15761
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962541H1

<400> 15761

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 ggcagcgta agatgggtgc agtggattcg gatgatctct ggtttgcgta taacctgata 120
 gctcccggag actctgtcat ggccgttact gtcaggaagg ttctaagaga agctgctagt 180

<223> Clone ID: 700962552H1

<400> 15767

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ccaacttgat acctctgatt ctttctttgc ttagaattcc acagaatatg gagactgttc 120
ttttcaatca ctccccacct ttggaattca agggtttgag caaggaggag gaagactcat 180
tgctagggca agtggaata tggaggtaca tgacatgctt cacggactc 229

<210> 15768

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700962553H1

<400> 15768

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catgtatgag gatgatctgg ataatgctga ggatgttggtg tacactgggc aaggtgggca 120
taatctgact ggtgataagc gtcaatttcg ggatcaaaag ttggagcgtg gtaacttggc 180
tctgaagaat tgttctgagc aatgtgtgcc tgtagagtc attcgtgggc atgaatcttc 240
aagcagttac a 251

<210> 15769

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700962554H1

<400> 15769

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aatttgatca gtcattatcc caagtgtttt ttcagacaca tgaatgctct aacactactt 120
gatttatcat ataattatga gttaacatct ttgccaaagt ctctgtctaa gttgaggtct 180
cttacttctt tagtgctcgg tcaatgttca aaattgaaag atataacctcc actgggagat 240
ctacaagcat t 251

<210> 15770
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962555H1

<400> 15770

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 ggcccggact cccacggggg gcagcagtgg ggaatcttgg acaatgggag aaagccggat 180
 ccagcaatat cgcgtgagtg aagaagggca atgccgcttg taaagctctt tcgtcgagtg 240
 cgcgatca 248

<210> 15771
 <211> 80
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962556H1

<400> 15771

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 gttcttgtct ccccccaac 80

<210> 15772
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962557H1

<400> 15772

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 gctgtgttaa atgggttggg atcttccttc ttgagtggag gaaacaggag cctaaccctt 120
 ctgggcctct gctattggag gcaaagtggg tgctgctggt actgttaatc ccagaagact 180
 cattgtggta gctgctgctg caccaaagaa gtcattggctc cctgggtgtta gaggtggtgg 240
 caatctc 247

<210> 15773
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962558H1

<400> 15773

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 aacaacaaaa gcagtgaaaa atggcgagct cgggtggagaa ggagagtggc gcgagcgagg 120
 aaactttctc tttggagctg cctgctccac cagggttgaa gaagcagttc atcccaaaga 180
 aagctggtac cccaaagaaa aatgagattg tgttcactgc accaacagga gaggagatca 240
 ataaca 246

<210> 15774
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962559H1

<400> 15774

acaagacata ccttatagat tggatcataa tttgaacgtt tgtgacataa attggatcaa 60
 cattaacttg caagttttga tgttttaaat gctcggagac agattttatt gtatagtaat 120
 agtaattctt ctcggattgc ttgaggtaga agagaacttt atttgtatgg taaatTTTTG 180
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<210> 15775
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962560H1

<400> 15775

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 gctgacatac cctctgatct gacaatgcct ttacttagat atcaaaagga atggtagcc 180

tgggctttga aacaggaaag ttctgcgagt aaaggtggaa tacttgcaga tgacatggga 240
atgggg 246

<210> 15776
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962564H1

<400> 15776

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tactgttacc cagtgcctgt aaaggaattg cttttttcta caacgcgcac tcgcaatcgg 180
agtaggaaga agcgttttgg ttttggtcaa aaaaggtttt gcgttggagc tgcaaattgca 240
aatcatga 248

<210> 15777
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700962565H1

<400> 15777

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agaagataca agaatcgtga actaccagtt aatgcgtgtg atggatcatc caaatgtgat 120
ctctttgaag cattgtttct ttccactac aagtactgtc aaactttttc ttaatttggt 180
gatggagtat gttccagagt acatgtatag agtcttaaag cactagagca atgctaata 240
aagaatgcct a 251

<210> 15778
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962566H1

<400> 15778

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tgacccactt gcattttttc taccacgaca tcttagaggg caagaacatc acggtggtga 180
aaatcatcga gccatcagcg agcgaggttc gtgaagcaac tgggtttgga accactttca 240
tgatggac 248

<210> 15779
<211> 249
<212> DNA
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<223> Clone ID: 700962569H1

<400> 15779

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tgtcctttcc atctcggtcg gtctcatcaa ttagcttttc cagaaattta aagcccaaag 180
gaagatttgg tctcagagtt gaagcatacg attcctccaa taatgacaat tccaacctcg 240
ccagtgtcg 249

<210> 15780
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700962573H1

<400> 15780

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ttcaaaaggt gtgaaagcaa ataagatgca gcatagaaat ttgacttctg gaaggccttc 180
tggaactgat ggctccgatt actcctaccg tatggtagtc gattcaaggt atcaactggt 240
tgcaaaggg 249

<210> 15781
<211> 252

<212> DNA
<213> Glycine max

<223> Clone ID: 700962536H1

<400> 15781

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aaacaactgg ttgggctcct tgtatggctt cttctcagc ttgtagaaga gctacatatt 180
caacacaatc tgtatcgaca aatgagccag ttgtatctgt agattggctt tatgataacc 240
tgaaggagcc ag 252

<210> 15782
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700962574H1

<400> 15782

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aacaaggag acttccagaa ggcttttgac attattgtgt ctcttgatgt gtggaaattt 180
gtgagaaatc gagacaccgt acttgaaatg ctgaaggaca aaatcaagga ggaggcattg 240
aggac 245

<210> 15783
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700962502H1

<400> 15783

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cttctaggct tctttttcta cctcaatgtt aagttgattg tggctgagtg tgacattgaa 180
tgtaataat ctagccatat ttcttttctca gaccggctc aagtattcac ctgataacct 240

actatatgtgc agtatttttt aatttagat

269

<210> 15784
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700962503H1

<400> 15784

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ataaaaccca cacgtcaagt cacttctttt taactcaatt ttcggtcccg tagctctata 180
ttttctcatt cgcagacaag aaaaatccaa gcctgtggat tagaaagggg ttcattttgc 240
tgattctcta gctatggct 259

<210> 15785
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700962505H1

<400> 15785

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ttcaaccacg ccatggaggg tcttcccaa ggtaaccgtc ccaacgttgg tgtctgtctc 180
atcaactccg atgatcagat ttttgtggct tctaggttga atgtcccagg agcatggcaa 240
atgcctcatg ggggaattg 259

<210> 15786
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700962507H1

<400> 15786

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 tggaaactga gatgcccggt atggttcaga tgcaggaatt gcaacgagga gctaagaatg 180
 ccctgtcttt ggcccagggg gtggtttact ggcagcctcc caagcaaacg ttggaaaaag 240
 tgaaagaacc tgt 253

<210> 15787
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962508H1

<400> 15787

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 gtatgtttta gttttagatg gtaagttgag ggcgtataat attctcgcta taagtataga 180
 gaagaagata tagccacttt attatctccc cggtatagag gcacatgaag gaaggg 236

<210> 15788
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962509H1

<400> 15788

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 ctacataatc cacatggacg agaccatgat gcccttaacc ttcaccgacc acctcagctg 180
 gttcgacgcc tccctcaaatt cagcgtcccc ctccgaggag attctctaca cttacaaaca 240
 gttggggcat ggcttctccg 260

<210> 15789
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<223> Clone ID: 700962510H1

<400> 15789

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 gtggatgtag ggaacaatga ctatcttccc acccttttca aggetgatta ccctccttat 180
 gggagggact ttgttaacca ccaacctact gggaggtttt gcaatggcaa attagctact 240
 gatttcactg ctg 253

<210> 15790

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700962511H1

<400> 15790

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 tggggtcgaa caaactgcaa cttcgacaac gcgggacgcg cgaagtgcct caccggcgac 180
 tgcgagggta ttctggagtg caacaaaaca ggtacacccc cgaacacggt cgttgatttc 240
 gcgttgaacc ag 252

<210> 15791

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700962513H1

<400> 15791

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 atcttcttca agtggaaatag ttggagaaag ggataatcat cttgatcatg aaattgcaca 180
 gctcacaaaa cttaggtcaa gtcctcatga gcttttgggt cgtggtgttc ctggtaagat 240
 gaggttacct gca 253

<210> 15792
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962515H1

<400> 15792

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 acaccttaat ttgcacacgc tgcttcttca gcttgagaaa tggcacaaga aacctttcta 120
 ttcacatctg aatctgtaaa cgagggtcac cccgacaagc tgtgcgacca gatctctgat 180
 gcagtgctcg atgcgtgcct tgaacaggac cctgacagca aggttgcttg tgagacatgc 240
 accaagacca aca 253

<210> 15793
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 <212> DNA
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<223> Clone ID: 700962516H1

<400> 15793

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 ctacgagaat ggagttttca ctagtgcacac ttgtggtagc acttcccagg atgtgaacca 180
 tgccgttctt gctgttggat atggagttga aaatggtgtc ccatattggc tcataaaaaa 240
 ttcattggga gaaa 254

<210> 15794
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962517H1

<400> 15794

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 ttccttacat tattttcatcg gaaaaaacia aagatacgat cttatgatga ggggaagaac 180

aagacatgaa gaagatgagc aatctcgagc tttgtaccag ctctccgcgc tcgttctcaa 240
 cctccttcgc tcgcctctgt g 261

<210> 15795
 <211> 268
 <212> DNA
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<223> Clone ID: 700962518H1

<400> 15795

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 cgccggttgt tgttacagac atggctgctg cctctgatga atgactacaa ctggctgcag 180
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 accttgcttc ttgaggatca acaaagca 268

<210> 15796
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<223> Clone ID: 700962519H1

<400> 15796

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 acgaatcgac gatgaagaca accttctgat gcgtcaagtg gtgccggacg cggaggaaca 180
 acagctgctc aacgcggaag accaat 206

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<223> Clone ID: 700962520H1

<400> 15797

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 tcttcacctt cttctcatc tctgtctggc tcgccttcaa gcgctcttcc aaaaccaacc 180
 ctgtttccat ccccgacgtc tccaaagaga tccaagaaat caggctcgac accaacccca 240
 ctctccaacc cga 253

<210> 15798
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962521H1

<400> 15798

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 attttctggg tcagttctgt cgaattcctt ggtccaagac tttgcagctg aaccagcagc 180
 atggcgggtc agtcctccaa tgaaggctcc agtactggaa acatttcagc agaatgttcc 240
 gattcaactg ttc 253

<210> 15799
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962522H1

<400> 15799

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 aaaaaatcca ctactgtcc tcaaagacag atccgaaagt ggatgccaaa tctatcaccc 180
 ctcgtcgccc gagattatcg taccattag attcttcttc cctcttcctt ctacactttc 240
 ccaaattttc acactat 257

<210> 15800
 <211> 254
 <212> DNA
 <213> Glycine max

[illegible]

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acacatagtg	gttaatgcag	acccatacaa	caagtctaac	ccagaaattc	gccctatgca	180
agagacagat	gaaatatgct	ctccatgtgt	gaaacctttc	ggccaacggc	ttcaatcttc	240
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<210> 15801

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700962524H1

<400> 15801

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gatgtttctt	ctccttgggt	attattttatc	ctgtgaaaga	tttgattttt	aagggtccgca	180
agagtctctt	ttgtttaaaa	tacaagtgag	tattctcaat	tttgtttctg	attacttttt	240
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<210> 15802

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700962526H1

<400> 15802

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acttgatat	agattttctaa	aactcttttc	tcttttatcc	ccccgctctc	ttgttctatt	180
cataccta	at	tttgcta	at	tcctt	gtgggt	240
tatataag	at	gatagg	atgt	agttt	ctata	250

<210> 15803
 <211> 64
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962527H1

<400> 15803

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 gact 64

<210> 15804
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962530H1

<400> 15804

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 gtactgagct gagaagaggg agaagatgat catccccgtt cggtgtttta cctgtggaaa 180
 ggtaattgga aacaaatggg atacctatctt ggaccttctc caggcagatt acagtgaagg 240
 agatgcactg ga 252

<210> 15805
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962531H1

<400> 15805

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 atttgccctt agcagtaaca aaattgctgt ggtcaagtat tctctgttgg gttctattct 180
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 agtggaaaca aa 252

[illegible]

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<212>	DNA
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<210>	15808
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7034

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 ggtctaccgg gttgattgac cc 262

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 <223> Clone ID: 700962463H1
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 tcacccta at gtaaatagtt cttccaattg cttggttaac acatcaaccc atgtttctga 180
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 ttg 243

<210> 15810
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962466H1
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 agattgaggt aatcggttcg agaaggaact ttatatgatg caaagtcttg ttgatggcta 180
 cagaaaagcc ttgaaagaaa cacggaaggc ttttgctgaa tatagagcac aatg 234

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 <213> Glycine max
 <223> Clone ID: 700962467H1
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aaggtccaga tatgttggtg ctggaactgt gttcaacagg caggcattgt atggctatga 180
tccaccagta tctgagaaaa ggccaaagat gacatgtgac tgttggccat ca 232

<210> 15812
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700962470H1

<400> 15812

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caccctgtac ttcacaaccc tggctctctt catctctaag acataagccg ctctgtctaa 180
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<210> 15813
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700962471H1

<400> 15813

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aaaatttctc tgaagaccgt gttatcatta tcgttccctg agttagggtt tctgttcttc 180
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<210> 15814
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<212> DNA
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<223> Clone ID: 700962472H1

<400> 15814

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 ttgtggccat gcggagtcta agagtactgt gcttggttac ggagcgggtg gtcgcacagg 180
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<210> 15815
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 <212> DNA
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<223> Clone ID: 700962473H1

<400> 15815

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 gacactcatt gcggcggagt atgccggcgt ccaagttgac tttgccccaa attttgagat 180
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<223> Clone ID: 700962474H1

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 atagggcata tccagccgct actaaggaag atgttgacct tgcggtggat gctgctaaaa 180
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<223> Clone ID: 700962475H1

<400> 15817

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 tgatcatcaa tgtaattcaa tcaaatgctg atatagcaca taatatcagc taccaattcc 180
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<210> 15818
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<223> Clone ID: 700962476H1

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 aatttttata aactagctag agatgatggt tcaaaaggaa gatttgggtt tgagttaaag 180
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 <213> Glycine max

<223> Clone ID: 700962477H1

<400> 15819

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 tcagtgggtg caaccatgca gaaaccttgc ccctgaagt ttactggaag tcgaagcttc 180
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<223> Clone ID: 700962479H1

<400> 15820

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 ggaatcaaga aattcagatc tgctgcttac tccaactgcg ctgcgaaacc ttcttgatat 180
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 <212> DNA
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 <223> Clone ID: 700962480H1
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 cggccattaa caaatattga cagagttttt caaaaaggag cctaggcgga caatgaatgc 180
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 <223> Clone ID: 700962481H1
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<400> 15826

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taggcctcat aatagcagag aggaattatt catcacatca aaactatggc cactgatgc 180
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<210> 15827

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<223> Clone ID: 700962487H1

<400> 15827

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ttgttctagt tccaatatcc tctccttga tacaacagct gctggacgca gcattggcga 180
aaactccaac tcagaggaaa agaaagagcc tgagttcttg ttcaagcatg aagg 234

<210> 15828

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700962488H1

<400> 15828

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tctaattggcc gctgacatgg gaggttcgta tggatctacc ctgcggtaca agagtgttga 180
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<210> 15829

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700962489H1

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 caatttagag gatcattaaa gagttgggtga cgttaggagg ggctaataac cctgggggact 180
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<210> 15830
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962490H1

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 gcaaaatccg aagtgaagca ttaggggaac cggaattaga aaaaagagaa acacttgaaa 180
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<210> 15831
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962491H1

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 ggctgttcag aacccctgt tgaactgtct gagaatctga cactacttcc tcttcaattg 180
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<210> 15832
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<223> Clone ID: 700962462H1

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ttaagtagaa gtgcttacta tttggaagtc caaaccaaaa agacgactat ctgaaggatg 180
cacaaaagta ctttggcaag tctaccgcat acattgaatc actgaaggcc atccgtggac 240
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<210> 15833

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700962493H1

<400> 15833

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ttgtcttgct ttactcttta gcgctctggt aatagccgcg tctgctgtaa ctgcagttgt 180
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<210> 15834

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700962494H1

<400> 15834

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gaatagggtc cttcactctt tgtgttcgca ttgttattca tgtggtcggt tcacgcagac 180
aatgctcctg ccccttcacc caagtcatca cctcgtcgc cgacggccaa accaccc 237

<210> 15835

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700962496H1

<400> 15835

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 cgtatcgtcc ctccatggct tcaaagcgca tctcaagga gctcaaggac ttgcagaaaa 180
 cccaccaac ttcttcgagc gctgggtccag tagctgagga catgttccat tggcaagcaa 240

<210> 15836

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700962424H1

<400> 15836

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 tctgatcaat caatccctct tctcttcgg ccattggctc cttgctccgc tctctccgcc 180
 gccgtgatgt cgcttcgcc tccctctccg cctatcgctc gttaacgggc agcaccaag 239

<210> 15837

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700962425H1

<400> 15837

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 tactccgccg ccgagatcag cggcggaatg cggcgccctcc gccgggatgc gccgtcggac 180
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<210> 15838

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700962426H1

<400> 15838

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accacttcg ccggaatggg aaagcccgga gaacaccacc ctctgccctc ctactccgcc 180
gccgaggatc agcggcggaa tgcggcgctt ccgcccggat gcgccgctcg actccgat 238

<210> 15839

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700962427H1

<400> 15839

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cttttttatg ggaatatatg cttttttttc ctgttgaata aaattaaaca agaagaggga 180
gcagatgcaa ttcagttacc ctgacagttt tcagatcacc acttcttttt ttggcttt 238

<210> 15840

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700962429H1

<400> 15840

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ctgattccct tgtcttttca tctaattgct tggctcttaa tggacgcgct ttaactttac 180
gcacggaaac tgataagggt caggtacttg taagagaaca tactgtaaaa ctaaaggaa 240
aaa 243

<210> 15841

<211> 242

<212> DNA
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 acttgggctt ttgatcacat caaatacttc aatggagggt ctgagattca acttcatctt 180
 gacaagtaca ctggtactgg cttccagtcc aaaggggtcat acttgtttgg tcacttcagc 240
 at 242

<210> 15842
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 <213> Glycine max
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 gtgtcctatc tcataatgat ggaagtttgc cttctgaaag tcagtttagca gaatgggagt 180
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 ccc 243

<210> 15843
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 gttgacgtgg cgtacaggat ggcgttatgg caattaatca tgcgcctggg tttgtgttga 180
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<210> 15844
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<223> Clone ID: 700962435H1

<400> 15844

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 cggcgtgaaa ctgccttcg aatccagagc ctctctcggt tcctcactct tctcacatcg 180
 agcgcaacgc caaaaaatcg aatttcacga tggaagagtt ggagcagtg 229

<210> 15845
 <211> 233
 <212> DNA
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<223> Clone ID: 700962436H1

<400> 15845

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 ttgtggctct tccatctcct tcaccattta tttccttaca taccttgggg atgtaagatc 180
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<210> 15846
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 <213> Glycine max

<223> Clone ID: 700962437H1

<400> 15846

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 gtcggtgaac gaggacaccc tgacaagctc tgcgacaaaa tctccgatgc tgtcctcgac 180
 gcttgcatcg agcaggaccc agacagcaaa gttgcctgcg aaacatgc 228

<210> 15850
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962444H1

<400> 15850

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 cccactgcgc cacatcttca gccgcatcaa ccagacggac ccacccatcg accctacctt 180
 gaacaacaac ctcatcaaaa cttgtccctc ttcccagtc cccaacacgg ccgtgcttg 239

<210> 15851
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962445H1

<400> 15851

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 ttcccttctc tcattaagac aggcctgtct ttgctgcccc tgcccccatc atcaccceaa 180
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<210> 15852
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962446H1

<400> 15852

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<210> 15853
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002220-ETES60

<223> Clone ID: 700962447H1

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<223> Clone ID: 700962448H1

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agagagccat ttactgattt tgccaggggtg gcacccattg gactcaatgg ggactagtcc 180
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<210> 15855

<211> 101

<212> DNA

<213> Glycine max

<223> Clone ID: 700962451H1

<400> 15855

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<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700962452H1

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<210> 15860

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700962456H1

<400> 15860

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<210> 15861

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700962457H1

<400> 15861

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gacgtggaca gggcggcgct gtcgcgtccc ttggacgaga cgcagcagag ctggctccta 180
ggccccggcg agcagaagaa gaagaagtac gtcgatctcg gctgcatcat cgtcagcc 238

<210> 15862

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700962458H1

<400> 15862

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<212> DNA
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<223> Clone ID: 700962460H1

<400> 15863

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<212> DNA
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<223> Clone ID: 700962461H1

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<210> 15865
<211> 251
<212> DNA
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<223> Clone ID: 700962387H1

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<210> 15866
 <211> 241
 <212> DNA
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<223> Clone ID: 700962388H1

<400> 15866

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 tactgaaaca caggacttga ttacaagatc atcactttgt ttgacacaaa gtgatgaacc 180
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<210> 15867
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962389H1

<400> 15867

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 tattaagggt agctattcag ttggaatgtg aagagttgga gagatctaaa ctgattagga 180
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 gtgatg 246

<210> 15868
 <211> 250

<212> DNA
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 <223> Clone ID: 700962390H1
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<210> 15869
 <211> 251
 <212> DNA
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 <223> Clone ID: 700962391H1
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 aaaagatgtt ccatggaggc caaggaaaat agggttggag caagcagcaa tcaaggtgaa 240
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<210> 15870
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962392H1
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 gaagaggagg aggcacccgc cgtcggcgac gaccaggaca ccggagcaca cgtcgtcccc 180
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251

<210> 15871

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700962393H1

<400> 15871

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cagaagttat ctggacagtc ttatttggtg tctaggcttg cccctactca ctcaagaaac 180

tattccacaa ctggtagtta cctcaatgga ggcttgagc cttcgggttt ggttccagtc 240

atggcacatg ca 252

<210> 15872

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700962394H1

<400> 15872

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tggctcatgc atctcgcaat tcaaggagc aattaagggc ccatggcggg ttggatgtct 180

atttgaacct tcttgaggat gagctttggt ctgtgacagc actagactct attgctgttt 240

gttttagccca cgac 254

<210> 15873

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700962395H1

<400> 15873

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actttctgct ctcatactcg ttcacatgatg ggtataaatt agtgtgttga aattgcaaaa 180
cagaaaatga aaaactgggtg ttgtgaattg aggcacgtga aattgactct ttaagttgtc 240
ctcaatgacc aa 252

<210> 15874
<211> 126
<212> DNA
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<223> Clone ID: 700962396H1

<400> 15874

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<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700962402H1

<400> 15875

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tgcggcggag atcctaaccg gttgaacggt gtgaaccgga gtgatagggt gacggattgc 180
atggtttccg cgttgaaatc gaggatgaat ccggtggagt atcctccgcc ggtggcgg 238

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<212> DNA
<213> Glycine max

<223> Clone ID: 700962403H1

<400> 15876

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 ttccggagct ctgcgcagag gacgccactg ttgacgccgg ttctcgtag gttccgccc 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962407H1

<400> 15880

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 cgatgatggc gcagcatgac atgcaatgat gtgacggtga acatggcaca gtgcctatcc 180
 tacctgatgc agggaggaac accttcaaca ctctgctgtc accaccgttg acaa 234

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962409H1

<400> 15881

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 tcctctcatt gtaacctag tttcgctgtg agagctgact ccaacgtcga aggcgtggt 180
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 <213> Glycine max

<223> Clone ID: 700962412H1

<400> 15882

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 ccttcattgtt agagggtcca catcaccttt gttaccacag aatacaacca caaacgcctt 180
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<223> Clone ID: 700962413H1

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 cactgcatca agatctgaag aactgcagga aggcaatacc agagaagaca ggaaaagtca 180
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<223> Clone ID: 700962414H1

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 gtgatcggcg tgacggcatc gtgggcaaca gcctcgccga gatcctccct ctcgccgaca 180
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<223> Clone ID: 700962415H1

<400> 15885

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 gatcccgtag taatactagc cacattcatt tgttcagatt gatgccctag ggagggtttc 180
 atttttctct attcgtgtc ctgcacctct tcttgaggtt gacctccaa acacttctag 240
 ctc 243

<210> 15886
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<223> Clone ID: 700962416H1

<400> 15886

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 ttctgaaaac tccggaatgt ggatttacga catcttgcat tttatgcatt tgctggtcga 180
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 tc 242

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<223> Clone ID: 700962417H1

<400> 15887

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 gaagaagaag agagtttctt cgaagggtgtg gtgttattac tgcgatcgcg aattcgacga 180
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<210> 15888
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 <212> DNA
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095413-03200

<210>	15891
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accagttggg	gagtacagta	aggcaaataa	aatggcggcg	tgccttcaga	acccaatggg	180
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cgaatttttg	catggatcag	ctctggatac	tccgattatt	actccagcaa	actgccaaaca	180
gattattact	gtgctgcttc	agagcatgaa	ggatgttcca	aatgttgctg	agaaggcttg	240
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<223> Clone ID: 700962348H1

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atagagaggt	actactcccg	catgacgctg	gactttccaca	cgaacaagaa	ggttctggaa	180
gagggtggcca	tcattccctc	caagaggctc	cgcaacaaga	tcgcggggtt	ctccacccat	240

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259

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<223> Clone ID: 700962349H1

<400> 15894

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 aacccgaaaa atcacacaca ccccttttgg aattgggatc catcgccata tcaactgatta 120
 ggtagataa gggtccctat gagcacttcc attctcgagg ccctgaacgt ccgcgtggaa 180
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<210> 15895
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<223> Clone ID: 700962350H1

<400> 15895

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 atttcagtgc atggagggag tgtagaagtg agatgctagt catacaaact atggatggac 180
 agaacttaca aggtcagggg ttatctcaca gccttgaat ccacatgacc ctcaggagtt 240
 caaatgcctt ctatccatga t 261

<210> 15896
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<223> Clone ID: 700962352H1

<400> 15896

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 caaatgttta ctccagcacg tgggtgtgtcc ttccgtcacc ctctcatca ttaaaaggtt 240
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 gttcaggact ttgatctcat ctccagagagg agaaggaacg agaagaggca agaggcgagg 180
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 gcccagaatc cgccgcttcg cggtgctacc gcattttaca gcgaaatatg gcaccttttag 180
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 atgcaggatt cgtgctccct gctgcaacga gatctactca tgccgtcact gtcataacga 180
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 acaagttgtt tgt 253

<210> 15900
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<223> Clone ID: 700962358H1

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 accaaatgtt ccttcaccct ctctttgatg agtatgatgg gcttcttcgt cgcttccttc 180
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 gccctgcacg aac 253

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<223> Clone ID: 700962360H1

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 aaggtgtata agttgcagca ggttttaaca taggagattt atttccttct gctaaatggc 120
 ttcaacatgt tactggtttg aggtctaagc ttgagaagct gtttggacaa attgatcgga 180
 tactatgaga catcatcaat gaacacaaag aggcaaagtc ataatccaga gaaggcacgg 240

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<212> DNA
<213> Glycine max

<223> Clone ID: 700962363H1

<400> 15902

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acacaccctg ttaccatgga aggtggtgta ccagaagctg atatgtctgc cttcagagaa 180
tgtttgtctc tatcatggaa gaatccttat gttcttcgcc ttgcttgctc tgctggaatt 240
ggaggccttc tctt 254

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<223> Clone ID: 700962364H1

<400> 15903

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caagccgtgt catgcaatga tgtttctgtg aacctagcac cgtgcctatc ttacctgatg 180
caggggtggag atgttccaga atcgtgctgt agcggagtga ggaacattct gggttctgcc 240
agcaccacct ttgacaaaca a 261

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<223> Clone ID: 700962366H1

<400> 15904

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tgttgaagga gaatggttaa gaaatgcatt tcgatggaaa gcatctgttg gaccatggga 180
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260

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7068

241

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 gttcgagaga tcgaaatttc ccattggggc aatgtacaga tcacagagca ttacgatatt 180
 atccatgctg gttctcagag caaaggagaa ttttctaggc ttgactatca gaccaggcca 240
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<223> Clone ID: 700962376H1

<400> 15911

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<223> Clone ID: 700962379H1

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 ttctccatc tggctcctctg ggcaagatta ctgctgttcc cgggcctcct cgtgacgctg 180
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<223> Clone ID: 700962380H1

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 ctccgtcgtc gaaccttccc caactgacgg agtctctgaa gctggagcac cagttcctca 180
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<210> 15914
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<223> Clone ID: 700962381H1

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 cggctattct aagagtgtct cgctccctca ttcattgtccg atctgtacga tggaggacgg 180
 gtagttgcgt aactgccgtt agcccatcgc ttcgtcgtag gcgtagttct gtgccttctg 240
 aatgtggtag 250

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<223> Clone ID: 700962345H1

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 taaatctcct tcctggatta gagggacccc ttccttttgt tcttgaaacc gggatatgtg 180
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 gcttccagtg gcgtatttac gggtataccc ttcttgttat gatagcttcc aatcggcgtc 180
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 aagccgcaa gccagccgat 260

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 gagaacacaa cttacaaaga cgatctatat ttaaggaaga ggacaaggat gcgtcggtgg 180
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 <223> Clone ID: 700962317H1
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THESE

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<400>	15920
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7073

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<223> Clone ID: 700962321H1

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 gagccactca cgtcgggggc gagcaaccgc ataattccgc ttcttaaagc cctcagagcc 180
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<223> Clone ID: 700962322H1

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<223> Clone ID: 700962323H1

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<223> Clone ID: 700962324H1

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<212> DNA
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<223> Clone ID: 700962325H1

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gcttccgagg ctacagcgcatt gctccacttc ggcgcgcatt ggctccacat ggacatcatg 180
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<210> 15927
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258

<210> 15930
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<223> Clone ID: 700962329H1

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 agccttatca ttctgtaat atccaccact gttgcagatc agaagaacta ctacacccca 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962331H1

<400> 15931

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 cacccaatgt atctgttccc gaattacaaa ataattgcaa tatgtttgtt gcatcagccc 180
 gtcagttggc taaagcctta gaagtaccat tggttaatga tttaggatac aaagagatac 240
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<223> Clone ID: 700962332H1

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 gaagcttatg atggtggccg ggagtgggaa cagtgagaaa ggggtgaact tgaaggttgg 180
 ggtgatcacc gagtggaagg atattcctgt ggagcttctg atgcaaattc tgtcccttgt 240
 ggatgatcag acggtgatca ta 262

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<223> Clone ID: 700962333H1

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 ttttaacatg gtgaattctt gtggcttcaa agaaattttg gtattactgt ggaggggtggg 180
 tattgtatag tgcgttagaa agcatatfff caagtttttc tgtacagttt tggtagactg 240
 ggtcaatctt atgccttccc caattaa 267

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<223> Clone ID: 700962335H1

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 gtgaagctct gggacaccat aggcttcggc ctgggcttgg acttcgatga ttacgatggg 180
 tactacgttg gtaacgcggc ggttcggacg agtccaccg cgtctccctc ggtggttgtc 240
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<223> Clone ID: 700962336H1

<400> 15935

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 tctcaggtat caggtgggtg gaggcatagt atggcactca cgtctactgg actactatct 180
 ggatgggggtt ggaataagtt tggacaggtt ggagtcggtg acaatgttga tcaactgctct 240
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<210> 15936

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700962337H1

<400> 15936

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 gagtacgatc ctcccagttg gggtcaaaat gcagataatg aatctttcgg ttatgatatg 120
 gggtgggtgga aagaagagca ttttaatgca tcggatgctg atggagatgg tgttctaaac 180
 ttaactgaat tcaatgactt tctgcaccct gctgacagca aaaatcccaa gcttcatcaa 240
 tggttgtgca aggaggaa 258

<210> 15937

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700962338H1

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 ggtgtctgtg cagaatgaga aacatgaatt agaacagcag tgtgaaaagc tgaagatgga 120
 gctggattct acaaacaacc ggaacgatga gattgaagag cagctgatag ctaaagaccg 180
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274

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<223> Clone ID: 700962280H1

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cacag 125

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<223> Clone ID: 700962281H1

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agtaactggt tctgccaatt gattgtcaac attaccagat ctgctatgca ctcacagttg 180
aactcagcaa tgatgttgca cggatctctg aaacgtaatt atgtatacat ggtcacccac 240
aaatggtggt cagacaagaa ttgagacaga tccagcag 278

<210> 15946
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<212> DNA
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<223> Clone ID: 700962282H1

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gccaaaatct caaagtgctg cagattacaa ggcagcaagt agagctctgg acttcttcct 120
tggttggtat tctgatccgg ttatctatgg tgactatccg gagagtatga aatcttcagt 180

aggttctagg ctccaaaat tcacaaaagc tgaatctgaa ggtctaaaaa attccacaga 240
 ttttcttggt gtgaattact acaccactta ttat 274

<210> 15947
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 <212> DNA
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<223> Clone ID: 700962283H1

<400> 15947

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 cctcggcgcc ctcgactccg ccagaagag caccgggagc ggcggcaaga agcggggccc 180
 tgcccagctc agagtgtaca atctagggaa caggtcaccg gtgccggtgg ggaccttggt 240
 gtccattcta gaaggtttgc tgaaaacca 269

<210> 15948
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962284H1

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 tctggcttct ccgaccccc attaccggtc tttctatgcc gaaaggagtc cctggtggtt 180
 ggtcatcaag gcctttggtg ttcccggcca tggcgccaag ctttatgata actctgcat 240
 ggagaatctc tttaagagca ttgaaagtat cc 272

<210> 15949
 <211> 274
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<223> Clone ID: 700962285H1

<400> 15949

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gcgctaaatt cgtacgtgct cctcgtagat cttcactccc accatcacgt gcccacctca 180
accctctcct acctcagaaa ctcccgttc atatcatccc tacgtcgacg ctccccaaaga 240
accggaatcc gatgtacggc gtcgcaggag attt 274

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<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700962286H1

<400> 15950

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gattacatct aattagaggc attaattgtc cgattcagcc gtgtgccata aaatttgacg 120
gacactgggt caaggtaatc atggtgcaca agcgttcttt tgatgctgag gaaatacttg 180
aggggtcttt caaacaccca aaacatgcag gaccaagcac tgagcttttt tcattaccag 240
aatctgtttt ccccgatgat gattgcc 267

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<212> DNA
<213> Glycine max

<223> Clone ID: 700962289H1

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atgattttga aaacccaaag gagtctgaat ctctcgttt tcaagctata ttgcgcgtca 180
ctagtgcacc cagaaagagg ttctcttcag atatcaaaag tttttccac gagctgaatt 240
cgaaaggtgt ctggcctttt ccattttcg 269

<210> 15952
<211> 267

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268

<210> 15955
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700962293H1

<400> 15955

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gtcagacaac atattgctga agaaagagaa aaacatataa aaacatttgg ggttgagaaa 180
ttcactgaat tgggattcac taacatggga gaacaagtgg cagaaaattg gagtgctgag 240
gatgaacagc tatttcacga ggttgttt 268

<210> 15956
<211> 133
<212> DNA
<213> Glycine max

<223> Clone ID: 700962295H1

<400> 15956

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cgtcttgccg gcc 133

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<223> Clone ID: 700962301H1

<400> 15957

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<212> DNA
 <213> Glycine max
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 tgacttcttt aaggagtatc tgattgacaa cagccttgat gatcttattt caattctaaa 180
 acgggggaaaa gtagaggagg atcttttggg cattttcccc cctacaaaaa gatccattga 240
 agctttctct gagcatttca 260

<210> 15967
 <211> 276
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 <213> Glycine max
 <223> Clone ID: 700962278H1
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 ccaccaatgg cgtcgccgcc gccaccacct tgtgtcctcc tctcttctct caccctcgtc 120
 gccgccacgg cttcctccct cacctgcacc acccaaaagc tcacggactc caagaacaac 180
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 <213> Glycine max
 <223> Clone ID: 700962250H1
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 tgggttggtg ctctctcctt ccagataggg attcaaggca gttgggtcga cccaattccg 180
 agaatggtgg agggcaggac gccagaatc taagggtcaa gcttggtctc ttacgtgatt 240

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281

<210> 15969
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<212> DNA
<213> Glycine max

<223> Clone ID: 700962251H1

<400> 15969

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gacattatct gctgctgcgc catcattttc cctatttgtt ggtccatcag gtcgctcagg 180
gagacctcca agaccgacgg gaaggcagcc aggaacctgg ccaagttgac cctcttcagg 240
cagttctaca ttgttgtcat tgggtacttg tacttcac 278

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<212> DNA
<213> Glycine max

<223> Clone ID: 700962252H1

<400> 15970

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tgcataataa ttctgtaat gtgcaccagt aaagaccaa gtatgattat tgttacatct 180
atgctatatg attgtacttg tacacacata ttttgtccc cctttgtaaa tacaattggg 240
aactactag gattgggaag aagggtcttt acatttttag 280

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<212> DNA
<213> Glycine max

<223> Clone ID: 700962253H1

<400> 15971

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caaggcgcgc 130

<210> 15972
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700962254H1

<400> 15972

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atttgctagt catagttttg atgtttggga gaactggact ctagaagggt cttacagga 180
atgcagactg gtgaactgta gaaacccatc agctgttttg gatgtacgcg ttgagatttt 240
ggcaactgta ggcgaagatg gagttactcg ttggcttga 279

<210> 15973
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700962255H1

<400> 15973

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ttcaagaggc ttttcaattt caaaaaggac aaagatgggt actggaaatg gtttgctggg 180
aatttagcat ctggtggggc tgctggggct tctctctctg tgtttgtcta ctctttggac 240
tatgcccga cagtttagc aaatgatgca aaggct 276

<210> 15974
<211> 277
<212> DNA
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<223> Clone ID: 700962256H1

<400> 15974

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 ggccactgtc tatggctata tctactgttt caatccatgt ctttggatgt gtgccttctt 180
 caccacttgt tggggctcctg caggatcaca tcaacgactg gaggaaaaca gcactttgtt 240
 taacatccat tttctttctt gctgctgtaa tatggtt 277

<210> 15975
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962257H1
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 ccttaaaacta gaacaatgaa caggggaatt gaagttcttt ctccagcctc atacctccga 180
 agttccaatt ggctgttcca agaaagcttg gggaccaggt ggactccaca ggagaacaag 240
 ctctttgaga atgctttggc tgtgtttgac aa 272

<210> 15976
 <211> 278
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 <223> Clone ID: 700962258H1
 <400> 15976

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 ccgtcacaat ggacgttcgc aagcgcgga ggcgcgacgt caacctctaa cggcgcgctt 180
 aagaagacca agcaagaatt ggagtcctta tcaagtgggtg tacgaagcaa atcgaagcca 240
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 <211> 276

<212> DNA
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<223> Clone ID: 700962259H1

<400> 15977

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 cagtcttcta gactctggtg tgtcaccctt taatggcttc acctatgac atctctatgg 180
 aacaaagggtt ggtggaacca ttttcgacag atttgccgc cgtcacacgg ctgctgaact 240
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<210> 15978
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962260H1

<400> 15978

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 aggtttatgc tcctctgcga tcaactattca tggctacgag tgtcaggaac ttgaagttac 180
 taccatagat gggtagattc ttagccttca aaggatccct gaaggtagat ggaaggtag 240
 tggcctgtag actatgaaac agccagttag aatacagca 279

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 <211> 275
 <212> DNA
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<223> Clone ID: 700962261H1

<400> 15979

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 atgatatttg ctacgcaatt tgttatgtaa caaatgtga tttcattggg agtacatgca 240

tggaatggaa ccattgatgg cacaggattt catgcaaagg gaacaatttt tagattgagt 120
 ggaatacctg ctgctgtcag tttatatgcc ttctgttata gtgctcatcc tacccttcct 180
 actctctata attctatgag agacaaaagt cagttctcca aggtgctgtc tgcattgctt 240
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<210> 15983
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 <213> Glycine max

<223> Clone ID: 700962267H1

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 ttatttggcc attagctaata ggacaagggg gtgcctccta gcctcttcgt caatgatggg 180
 tctttcatgg agaggttcaa gcaacttcaa caagagcagg ataaagggaa gaatgtcaaa 240
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<210> 15984
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962268H1

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 gccaggccgg tatccagggt ggaaacgcct gctgggaact ctattgcctt gaacacggca 180
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<210> 15985
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962269H1

<400> 15985

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 ccgccaatgg tctccgattc tcacgaatct ccgtcccgtt tccggtcttc gtcaccgatc 180
 gaatactccg tttagctcct ccggtgtgag agcacagggt gctactctgg acgaagcaag 240
 aaccggagca actcagaaaag tggaagcgcc ggttgca 277

<210> 15986

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700962271H1

<400> 15986

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 tgagttgatc actcttatgg atcagatgga cctcaaagct gtcacctttg ttggtcattc 180
 catgtctggc atgattgggt gcttagcctc catcaagagg cctgaactct ttaagaggct 240
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<210> 15987

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 700962272H1

<400> 15987

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<210> 15988

<211> 270

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273

<210> 15991
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<212> DNA
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<223> Clone ID: 700962248H1

<400> 15991

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agggtccagt ggtgttggtc ctccacggct tccctgagct ctggtactca tggcgccacc 120
agattctctc tctcagctcc ctcggtacc gcgccgtcgc tcccgatctc cgtggctaag 180
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<210> 15992
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 700962218H1

<400> 15992

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acctccgat acacttctg caaatgcttc gcaccgcgtt gctgttggtg cttttgtcat 180
gaatgccaat agggagggtgc ttgtggttca ggagagcaat ggcaggttta gtggccaagg 240
aatctggaag ttgcctaccg gaggcgttga tgaaggtgaa gatatttgt 289

<210> 15993
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 700962219H1

<400> 15993

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002220-4.1.1.660

caacactgaa gagaaagaaa gtattacaac ttatgatgat agggcacata ccaaagatga 120
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tgatgcaaag tttctctcac gtggcataat gaggttggat gctcgtgcac gtcaagatgt 240
tgcttttctt gggactgaat ttctcaaact tgatgctcgg gcaagaga 288

<210> 15994
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 700962220H1

<400> 15994

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gccttgtacc ttcttacttg tgcaaaaccg ggaactaatg ttccattttg tgctactatg 180
tttccccctt gtttgtttcc tgggtgaagca ttctctctca aagccctcac ccatttacct 240
tgtggacttc tcatgtctta aacctccaag ccactgcagg gtgc 284

<210> 15995
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 700962221H1

<400> 15995

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ctttacaggc ctgccttctt cctgccccca aggaacttc ttgtgctaata tatgctagat 180
gtgtgaatca gatcttacag ggttcaaaca atatgcagtt gtggcttagg cttccattgg 240
tgaagcctga tgatgactct atggatgcaa agtctgttgc tttgggt 287

<210> 15996
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 700962222H1

<400> 15996

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tcagccgtgg atgtaggga taatgactat ctccaccac ttttcaaggc tgattaccct 180
ccttatggga gggactttgc taaccaccaa cctactggga ggttttgcaa tggcaaatta 240
gctactgatt ttactgctga cactttgggt tttaagacct atgct 285

<210> 15997

<211> 127

<212> DNA

<213> Glycine max

<223> Clone ID: 700962224H1

<400> 15997

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<210> 15998

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700962225H1

<400> 15998

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tctttctact tcccaaaact caggggtctaa ttagtcaaca atgagaaagt actgattaca 120
ttctcttagt tggtggcagt gactaaacca attggtctca ggttttctaa gttttagata 180
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<210> 15999

<211> 281

<212> DNA

<213> Glycine max

<210> 16002
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 700962230H1

<400> 16002

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tggtgtcggt cttcaaatac cgtaaaacct tcaagaatcc accacctcca ccaggtccta 120
gaggccttcc cataataggg aatcttcatc aactagatag tccttctctt catgagcagc 180
tatggcatct ctcaaagaaa tatgggtcctt tattttccct tcaatttgga ctaaggccag 240
ccatagttgt ttcctctcca aaactggcca aagaggtaat gaaa 284

<210> 16003
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 700962232H1

<400> 16003

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ggggattgga atatttacat gagaaagttc aaccgccgat tatacacaga gatatccgat 180
caaataatgt gctaataattt gaagatcaca aggccaagat agctgacttt aacctttcta 240
atcaggcccc tgacatgggt gcacgtcttc attcaac 277

<210> 16004
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 700962233H1

<400> 16004

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aacgataaag atgggtccat tgatgaggaa aggtcatcac caattgcaca tgctgttaag 120

<400> 16007
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 tgttagtgtt atgctgctta aagtgtcatt atcctgcaaa acagagattg ttgtgtttga 180
 agtgtggtag ttgattgtct atgagtggaa atgtggaatg cgtacgtttt gcgtgttata 240
 ttgatgttca ttggctgcaa agtttgattt catctggtta tg 282

<210> 16008
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962238H1

<400> 16008
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 tcaaggagac atttgaatgt tagaggaaaa agtgcaacac ttccttccat cactgagaag 180
 gattgggatg acatcaaatt tggagtggat aacaaagttg acttctatgc tgtttctttt 240
 gttaaagatg cacaagtagt tcatgaactg aagaatt 277

<210> 16009
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962239H1

<400> 16009
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 cttcgttctg gtacgacgga ggacactttc ccggtcaaac aagttacgct atggaggttc 180
 atccagggta tgggtgctagt gctaacaatc attacgtgga gccacggtac gtgaaccagg 240
 gttatcctct gcagccacct ctaccgtact acatgcaccc g 281

<210> 16010
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962243H1

<400> 16010

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 cagcttgcaa tagcagtgat ttccgaacac ctaaacctgc ttgacatggt aactgcaggt 120
 tcattgttgg aattgaaggg aattctcatt cggaacttgg gatttttatt agacatggca 180
 acatttttta tggcacttgg ccattacttg tacatatggc ggcttcatgg catggctttc 240
 catctaatag atgcattgct acttctaaat acacgtgc 278

<210> 16011
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962244H1

<400> 16011

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 gtctggcggt ttccatattt ccgttcattg gagattgagt ttacaaagtc acaggtcggt 180
 gctggaatcc ctgggacatt tttttgtgcc tgggatgctt tgcagaagca ttggctagca 240
 aataatatat tgggtcttgc tttctgtact cagggaat 278

<210> 16012
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962245H1

<400> 16012

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 gttgttgcag ttggcggctg gggtcagtct ctgtggaggt ttgggtgttt catgaggcag 180

agcttattct cattttgctc caatggagat gcaggaccaa atagaaagca caagatcaac 240
cacatttggc tcagctagta acatccattc caatgctga 279

<210> 16013
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700962246H1

<400> 16013

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agtactgcta tctcagcctt cccatctctc ctttcttctt caaaatccag atttgccacc 120
gcagttcctc tttctagctt tgggtgtcacc aatgcctctt cttctcgctt tcctatgagt 180
gctgactgga tgccaggcca ccctagacgt ccttaccttg atgggttcagc acctgggtgac 240
tttggattcg accctcttcg tcttggtgaa gtacaagaga 280

<210> 16014
<211> 148
<212> DNA
<213> Glycine max

<223> Clone ID: 700962247H1

<400> 16014

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aaagtgattc gccacttccc tcaaacaaag cctatagttg ctgatgcaa aaaaaacaaa 120
cctgagctct ctgatgatat attggatg 148

<210> 16015
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 700962217H1

<400> 16015

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gaggtttgaa ccaacaaaag atggggatat gtgatgcagt tgctgttgca aagacactga 120

atgctactct ggtgatccca taccttgaac tgaatcctgt atggcgagat tcaagctcct 180
 tcatggatat acttgatgtg gatcatttca ttgatgtatt gaaggatgat atttctacag 240
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<210> 16016
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962182H1

<400> 16016

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 cttcacgcgc atattcctcc tcttgcaat attattcact ctcacacccc acaaggccaa 120
 cgggtgccacg tgtcaccctg aggaagaagc gggcctgttg ggcttcaa at ccggtatccg 180
 atccgacccg tccggcctgc tcagtaactg gatatcgggt acggactgct gcacatggac 240
 cggagtag 248

<210> 16017
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962183H1

<400> 16017

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 cagccaagtc acagattaaa ataaaagctg atgaccaaag ttcaccccag gcattctcta 180
 ctttattcca atcagccttg tccaaatttg gtttaccttg aatctttatg gtgtcttcag 240
 agctta 246

<210> 16018
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962185H1

<400> 16018

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 cgccgtcctc cgccccccgg agccggagcc cctcacctac ctcgacgggt tccctcgccc 180
 cgatcccaag cagcagcaga ccacctctgc cgtccccccg gccgactccg gcaagaacat 240
 ctccg 245

<210> 16019

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700962186H1

<400> 16019

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 tgggtgctact cgccggcaggt gtgggtgggtg aggtcagga gaactcggac gtgaagacgc 180
 tgggtgaagca catgcacggg aagaagtact gcgacaaagg atgggaatgt aagggtggt 240
 c 241

<210> 16020

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700962188H1

<400> 16020

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 gaccgagtta gaggtgactg ttgagagcaa gaacaaagac ctcaagcacc tgggggtttgt 180
 gaggattgct gctattcaaa catttgtgat tgtgtcaa atctgtatgagt acgcaaagca 240
 gaattct 247

tga

243

<210> 16024
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962195H1

<400> 16024

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 gagaaatgat atggttgagt acttcggtga gcaattgtca ggctttgcct tcaactgttaa 120
 tgggtgggtg caatcctatg gttcccgttg tgtgaagcca ccaatcatct atggtgatgt 180
 gagccgcccc aagccaatga ctgtcttctg gtcattctctg gctcagagct ttaccaagcg 240
 cccaatga 248

<210> 16025
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962196H1

<400> 16025

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 tatatataga taaacagttt aatttatata cactttgatc ctacaaagca tcttgacaca 120
 agcattcaat aggatttcac cactttatcg caacatttta acatgatgcg gtaataaagt 180
 aaattcttgt tgaatatttg gataacgatg ttatatactc atagtttgtg tgtataaatt 240
 aaacttatat tt 252

<210> 16026
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962201H1

<400> 16026

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gtaagattca tgacaagggt gctgtcgtgt acacagcaag aactttcagc ctatcaaggt 60
 tgtctggagg attgaacccc tgaaatagat gggaatgtta ccctctctgt ttctattatt 120
 tatatttatt tatctacatg ttccttaca gaataatcag tcatgttgag gtgtatgtta 180
 tatttttttc ccactgaaca caaacttggt tatgcgaata tt 222

<210> 16033
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962209H1

<400> 16033

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 gacccggggg tggcagggat cgtttctttg attttggcga tccttttggt ggttttggag 180
 gctttggttc ctttggacct cccaggagtt taatctcaag cttttttggg ggtacggacc 240
 catttaatga tcctttcttc gcccgacctt ttggagggat gtttgag 287

<210> 16034
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962210H1

<400> 16034

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 gaagtggaat gcggtttccc tctgggcttg ggacattgtc gtggacaatt gcgctatttg 180
 acggaacat atcatggatc tctgtactga gtgccaggcc aacaaggcta gcgccactag 240
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<210> 16035
 <211> 285
 <212> DNA
 <213> Glycine max

<210> 16038
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 700962214H1

<400> 16038

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gtgcagtgag aaagagattg ctcaattctt gtgtgggttt gttttgttct ttgtgttgga 180
atgtgttcat ggggtgaagaa ggagaagagg tgtcaagaga gaaggaacaa tacatgggag 240
tttatggaaa tgagtgggtt tattgtgggt gctctgcaaa ttggcg 286

<210> 16039
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 700962216H1

<400> 16039

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ttcacgtcga agctaaaatt aaagtcactt actgcgataa gaaggcagac tatcctgtga 180
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agatctcggc tacttctagt aaagctatct atggtggaga ag 282

<210> 16040
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700962181H1

<400> 16040

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gaccgagtta gaggtgactg ttgagagcaa gaacaaagac ctcaagcacc tggggtttgt 180
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 gaattctggg 250

<210> 16041
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962144H1
 <400> 16041

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 ctccacaaaa accccttaga ttccccaccc tacctaacc ctaaccctaa ccctaacccc 120
 tccccctcca ccacctctc ctccacctc cacataagac ccttcctctt ctggaaaaaa 180
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 ttcggcgcc 249

<210> 16042
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962145H1
 <400> 16042

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 ctccagcacc tacaagcaac cagcaccaca actctggtgg tggaagcacc acccctcag 180
 atactgccac tggcagcagc tcaattgacg agggaagaaa atctggtaga ggcagtggcg 240
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<210> 16043
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962147H1

<210> 16046
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962150H1

<400> 16046

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 aatttttgta gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120
 ctatggtgcc cgtactccgg aggtgaaatg cgcaagttgg aggcttgctg tggaagcaca 180
 caacatcttt ggctttgaga ccattcctga agagtgcgtt gaagcaacaa aggaatacat 240
 ccatggcgaa ca 252

<210> 16047
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962152H1

<400> 16047

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 caaaccctaaa gagtagaaga aacctacaaa aggaatcctc tataaacaac tccgtttgtc 120
 actcgtgtct tgcgagcggg aaacggcggc tttagcaatc actccctcgt cgttttcccc 180
 cgtttttctc cccttttccc cgttttgctt tttggattca tttctctcta tcttctgctg 240
 atttat 246

<210> 16048
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962154H1

<400> 16048

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 tctcagatcc atttttattt tacaaacttt tgggtcctct ccccatgtgt cctaccacac 180

ctgctccaca ttactgaaat tctttattct catcataatt cccatcaaaa aatcttttct 240
tgcaatc 247

<210> 16049
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700962155H1

<400> 16049

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cctcttttcgc ttcctgcaaa tctttctgag aatcgagtca cagactagag ctaaattcagc 120
atagagatac aaaaatgccca aaagtaaaga caaatcggtg taaataccca gagggctggg 180
aattaattga gcctacactc cgtgaacttc aagcaaagat gagggaagct gagaatgatc 240
cgcatgatgg 250

<210> 16050
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962157H1

<400> 16050

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gtcaccagaa caaccaatcg ttttccctca ttgcccctac aaagcaaagg atatcactac 120
ccccgttgtt cagtatcacc ctttctgctt ctgtgggggtg aaaagcagca ggggcatggt 180
gaggaagccg ggtcccaagc aagggagcct cttcttttga tgtggaaatt ggactgcgac 240
tagaggtg 248

<210> 16051
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700962158H1

<400> 16051

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catccaagga agaacatcaa ctattgagta atatacgggtt atggagaact tatgtaatat 120
agattaaccc acaatagcac atttattgga atttaaccag ttcagcacca gcaacttaac 180
aaaagaaaaa tatggaaaga tagccgagta tgtaattcca actcaaaaca aacaactggg 240

<210> 16052
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700962159H1

<400> 16052

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agctctacga atacggcgag cagctcaaca atgccaagga caagtcgcag aatgtgcagg 120
attaccaggg aatcatagat gcggcggaaga cgagtgtgaa ggcgaaacagc tcgccgcgca 180
ctgattccca agttcttcaa gttcttccct gacctctcga gccctgctct cgacacgcac 240
cttgatttg 249

<210> 16053
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962160H1

<400> 16053

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gggttcattc agccacagat gtcagcattt caaatagttc ttgactgaag ttcttaaaat 120
ggttttattc aaggtgacct gaccttttgt tgatgaatga cccttttgaa attcacggct 180
aataggttgt tgcctttttt tttttttttt ttcttggaa caaatatttt cagggtttaa 240
tacaactg 248

<210> 16054
<211> 69
<212> DNA
<213> Glycine max

<223> Clone ID: 700962162H1

<400> 16054

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accatggct 69

<210> 16055

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700962163H1

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ccactgaaaa tatacttcct ccattcttcc tcaccggggc acctaataccc tctgggtccag 120

ctgggtcgct tgggtggcggc acgaggccag cacgtgacca tcataccacc ccccgccaac 180

gctcaactct tcgaccagaa catcgacaag gacaccgct cgggccacca catccgcgtc 240

cacatcatca agt 253

<210> 16056

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700962164H1

<400> 16056

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tacaaacttc ggctacccta atttgaagga aatccatctg tatggttttc ctttgaaggt 120

tgttggggac attaactctt ttgactctac ttcagagcta actgtgaatc aaagtttcga 180

ttactacact aaaaatgaca gcagtaagga gtacaatggc ccctatgact taactatcaa 240

agttttctgaa a 251

<210> 16057

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700962165H1

<400> 16057

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aaattagtta agactataga taagtaatga tttaaaatta cctaataatt tttcgtgttt 60
gtgtgttttta ttttcaggtc aaatttttaa atccaaattc caaaataaaa tgtatttttg 120
ataaaataag gttgggttag ttttctttat ctgatgttaa aagacttttc ttctgatttt 180
aagaataata aaaaatggta ttctcattct taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
ggggggggccc cc 252

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<210> 16058

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700962169H1

<400> 16058

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ccaccttcgc ttccttcaat cccctccttc ctttgccaag ctgagttttc ttggctccaa 120
gtcgtcgaag aaggggttca cagtcttctc ccgctatgcg caagcacgtg caccttttct 180
cctcgcgtag attccaagat agcatggaga agctgccgaa cctgggtggag gacattgtgc 240
agacat 246

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<210> 16059

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700962170H1

<400> 16059

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tagagagggga aaggatgaag atcacggcgt tgttggtgct taaatgcacg ggcgagggat 120
ccgatccggt gattctggca aacgcttccg atgtcagcca cttcggctac ttccagcggt 180
ccagcggttaa ggaattcatc gttttcgttg gtcgtacagt cgccagtcgc actcctcagg 240
gccaacg 247

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<210> 16060
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700962171H1

<400> 16060

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ctctcaagat ctgtctgggg agtggagctt gatttgatta ttgatattaa ggaataaaat 120
ctcattcaac aactaaaca atacggattt tgcaaagtct aaattttgga aggtccagaa 180
gtcagtcaag ggcagccaga gctacaacaa tgggagggcat ggattatgca gaaaaaaaaag 240
aagggc 246

<210> 16061
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700962173H1

<400> 16061

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aaaaatggca tctcacatcg ttggataccc ccgtatgggt cccaagagag agctcaagtt 120
cgctctcgag tctttctggg atggcaagag cagcgccgag gatttgcaga aggtgtcttc 180
tgatctcagg gcatccatct ggaagcagat ggctgatgct gggatcaagt acatccccag 240
caaca 245

<210> 16062
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700962174H1

<400> 16062

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atcacctcat cgaaactact aacaccttca caatcggttca ccagccctac agaaccaga 120

tctcgggttc caatcgtcga gccatgtcca aggcacgcgt ctacaccgat gtcaatgttc 180
 ttcgccccaa agagtactgg gattacgagt cccctaccgt tcaatggggg gatcaagatg 240
 attat 245

<210> 16063
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962175H1
 <400> 16063

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 tgttgaagga gaatggtaa gaaatgcatt tcgatggaaa gcatctgttg gaccatggga 180
 ggagagacct gggcactttg gtgatgtttg gatgtactgg actgatgatg gacttggct 239

<210> 16064
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962143H1
 <400> 16064

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 ataaaagatt gtgacaaggc tggtgaaaga ggaagagaac taagatcaga ttttaagatg 120
 atagcaagag ctttgacaag gaaaggaaat gccttggtga aaatggcgaa gtgctcgaag 180
 gattacgagt ctgccattga gacttatcag aaagcactca ctgagcaccg caaccctgac 240
 actttgaaga a 251

<210> 16065
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962176H1
 <400> 16065

<400> 16068

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 acgtgggtat tggaaagcaa caggaaagga tcgtaacgtg atatgcaatt ctaggtcagt 180
 tggagtgaaa aagaccctgg ttttctacgc aggcagagct cccagtgggtg agcggactga 240
 ttgggttatg catg 254

<210> 16069

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700962110H1

<400> 16069

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 aaaaatttat atggtacttg agtacgtgaa tggaggggag ttatttgaca taattgcatc 180
 caaaggtaaa cacatcgaag gtgaaggtag aaagctgttc caacagttaa ttgatggggt 240
 gagctactgc ca 252

<210> 16070

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700962111H1

<400> 16070

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 gtactgtgca ggtttctggc tcttaaagga gctgataact gtgtattata taggcagcaa 180
 aggtaatcat gatgtggaac agcctgctgg ctctctaaag tcatattttt cagtacgttt 240
 tgtcacatcc aagtg 255

ggcaaagata agcttgttgt gtccacctcc tctcccttc ttcacactgc tgttgatctt 240
gttaacgaga ccaa 254

<210> 16074
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700962115H1

<400> 16074

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ggataccccc gcatgggtcc caagagagag ctcaagttcg ctctcgagtc tttctgggat 120
ggcaagagca gcgccgagga tttgcagaag gtggctgctg atctcaggtc atccatctgg 180
aagcagatgg ctggtgctgg gatcaagtac atccccagca acactttctc gttctatgac 240
cagctgctcg acgcca 256

<210> 16075
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700962117H1

<400> 16075

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cagcaatagg acttgtttcg tcgttaggga taaactacgg ccaaatagcg aacaatcttc 120
cttcacaaga cgacgccgtt gcgttggtga aatccatcgg agcgacgaag gtgaagctct 180
acgacgcaga tccacgcgtt ttgaaagcgt tcgcgaacac cggagtggaa ttaatggtag 240
gtctgggaac gagtactt 258

<210> 16076
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700962118H1

<400> 16076

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251

<210> 16082
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700962128H1

<400> 16082

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agatgaaggt aaaagttggt ttgggttcat cagaccctga ttcagggaaa ggaaagagca 120
agatgtcaaa gaacataact catggctttc atttgggtgaa aggaaaatca tatcatgaca 180
tggaggatta cgttgtggct caatttaggc aaatagataa caatgaattg ggtttgtttg 240
caatatttga cgg 253

<210> 16083
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700962130H1

<400> 16083

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cgctcaaatt ctaccctcct caaattggga aggtgggtgat ttccaaagcc ttacaacgt 120
tgcttttgat caagggcgaa cagcatcttt tccccctcag ccatttacag gtctagttga 180
agctagcaat ctaaaaatgg agatgtaaac cagataatcc attattacaa tatgttggat 240
taggtcactc ggaa 254

<210> 16084
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700962131H1

<400> 16084

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<210> 16090
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700962140H1

<400> 16090

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ttccaatatg gtgtttcctc tcctatctat ctttgcttta ctcaatcttg cagtgggtggc 120
aaccatgca gaaaccttgc cccctgaagt ttactggaag tcgaagcttc ccaccactcc 180
aatgccgaaa gccattacag atatccttca cccagatttg gcagaagaca aaagcacctc 240
tgtg 244

<210> 16091
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700962106H1

<400> 16091

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aagccttccc ttcattgggg cttaaagcat atgaaaacaa gttctttttt gattttgctg 180
caatctatgt tggagttgga atgatatgcc catatatcat aaatatatca gtgcttcttg 240
gaggaattat ttct 254

<210> 16092
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700962141H1

<400> 16092

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ctgggtcaaga aggtcctaca attacaagaa caaaaagaaa aactcagcat ggaggttcaa 120

cactggctga ccttctgcag gctcttgagg attacttgcc tgttggtctg ggattagtta 180
 agaatggaag ccatttacag tataaagtac aatttacttg ggtgaatcaa gaggatgaca 240
 aagaggaaac a 251

<210> 16093
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962051H1

<400> 16093

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 tgtgatcatt tggtatacaa ccggttcttt gaatgattat ttgtaggatg gatgagatat 180
 ctgcagctac aagtgtgctt aagctgacac tctccgagtg gagaacattc acaagtgagt 240
 gagg 244

<210> 16094
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962052H1

<400> 16094

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 acaatctctc taccacaagt ccagtcatt gatctgaaca aattgttttc tgaagatgga 180
 actgaggtag agaagctaaa ccaagcatgc aaagaatggg gtttcttcca gcttataaat 240
 cat 243

<210> 16095
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962053H1

<400> 16095

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 gtttgttgtt gagggatggc ctaatgagga aactgaggag ctgaaaagtg tgttggaaaa 180
 ggaaattaac gaggttgagg agcgaaatat gtcaaatacag ggt 223

<210> 16096

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700962054H1

<400> 16096

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 atctcacaaa atcaaacct tcctccaact ccccatctc taagtccttg gtcaacatca 180
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<210> 16097

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700962055H1

<400> 16097

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 atataccttc gaacaaaggc ttggagaatc gcgggatatt gtggccatgt accccgatcg 120
 agtccccgtg attgtggaaa gatatgcgaa atgcgatctg cctgagttgg agaagaaaaa 180
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<210> 16098

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700962056H1

<400> 16098

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cgtgcggcac gccggcctat gtcgcgcccg aggtgattgg gaaaagaggc tacgacggcg 120
ccaaggccga tatttgggtct tgtggcgtaa tctctacgt acttcttgct ggattttttac 180
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<210> 16099

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700962059H1

<400> 16099

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ccacaacaga tagcagcacg cgttcagggg ttatcgccca acggcaacaa cctccaaact 120
gaaacctttc gtagagaaat aataatggaa atatgttacc atgccacat cgatcgcgag 180
attgaatcgc tcttagaaaag aatacatcct cccagggctc gtatcgataa 230

<210> 16100

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700962065H1

<400> 16100

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aaaaatcgat ctgatttttt tcttactttt cgctcaatga tgacatgggt cagattctac 120
aggaccaaac caagtgggag ttccggcgtg atggtagcct cgccctgaag cgccgtaa 180
aaaaatgcag tagccgagtc ctgattccaa acgagaaaat tcaaacttga ttgaaaagga 240
tctttctgat tattgaagaa tgggacaaa 269

<210> 16101

<211> 163

<212> DNA

<213> Glycine max

<210> 16113
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962085H1

<400> 16113

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 aagaactttg atgatgatga tgatgatgat gatgatgtgg agatggcact ccccatagc 180
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<210> 16114
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962091H1

<400> 16114

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 ccacaaaaat tattttcctt cctttctatt tatcttctta aacaaataat aaaatttgat 120
 atttttatct catttttctt gtttttggtt tatgttattc catttcattt tcaagaagga 180
 aagtaagatt atgtttgatt ttagaggaga gaaatagaat aaataa 226

<210> 16115
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700962092H1

<400> 16115

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 catggagatg catgtgactg ctccaatttc cttgatgtgg actggctttc ttcttctgga 120
 aattcttgtg aagaggaatt acttgaaagg tcaaccagca tctcctcaga gaatattgag 180
 aatgaactaa taactactga gacatctgca agtgaatctg gatc 224

<212> DNA
<213> Glycine max

<223> Clone ID: 700962103H1

<400> 16119

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cgattttggt tgtccctttt ggatcagttc gtgcccttgt tgttggtttg tagcttttgc 120
tgaaatccag caataatgaa gaagggttatt ggtcaaactg ttagggacct taaaagagaa 180
gtaaataaga aagtgtctgaa agttcctggg attgaacaga aggttcttga tgctaccagc 240
aatgaaccat ggggtcctca tggatc 266

<210> 16120
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700962105H1

<400> 16120

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ttggccttgt tccgcatctc ctaccctctt cctctgctgc atgcaacat gaagattttc 120
aaccctcca aatgctttct ccagaacgtg gtgtgtcctt togacacct cttcatcatt 180
aaaagggtta agcccttoga tctgggtctc tcccacctcc accaattcca attcctatcc 240
tactattgaa accaa 255

<210> 16121
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700962009H1

<400> 16121

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tcccactctg aacaagcctt gttcttccac ctctctgttt tggaactgca agaggagaag 120
gaagaggaaa aactccatta tcatggctc taatctcagg accaacaatt tcttgcgcca 180
tgtggaatca atgaagcttc ttccatcagg tgctggccac atttcgcacc tgaacgctgt 240

gat

243

<210> 16122
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700962011H1

<400> 16122

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gtagggttca gctgaagagg atagagaaca agatcaatcg gcaggtaact ttctccaaaa 120
ggagagctgg gttactcaag aaagcacacg agatctctgt gctctgtgac gctgaggtcg 180
ctttgattgt cttctcccac aaaggaaagc tctttgaata tgccaccgat tcttgc 236

<210> 16123
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700962013H1

<400> 16123

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ctttctttct ttctctgtgt gtcgtaatgg ctctcccaga ctcttcttcc cgtcgcaact 180
ccctgatccc ctcttctatc tactctcttt cctccaaaac gctccc 226

<210> 16124
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700962017H1

<400> 16124

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ggttggacat tcagtcccaa tcacatggct tcttcttctc cttctctctc atcttatctc 120
acacaccttc ctcttctatc ctctcaccaa ggtgagagtg agaagcgcgt ggatgacgat 180

gaatcgcgcg ttccgattca catcgtgacc gcggcgacgc aacttcccgt cgaatttctg 240
gaaccctcgc ctcaatcca 259

<210> 16125
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962019H1

<400> 16125

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atacaagggc taccaggttg ctccggcaga gctagaagag ttactcctat ctcatcaga 120
gataaatgat gctgcagtta ttccataccc tgatgaagta gcaggccaag tgcccatggc 180
gtttgtggtg agacaacctc aaagttccct tggcgcacag aagttattga ttttgttgcc 240
aaacaggt 248

<210> 16126
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700962020H1

<400> 16126

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tgagcggttaa gtgctgcaac taatcagatc ccaagacctt ggcctacctt gccatacaga 120
gaaaaaaaaa gcgaaaaaga agccaagggtt tggagccaac aaaaatagac acaaagcaca 180
agtcattggaa agaataatgg ttggaagtgg acaaagggtg gtttcaccct cttgg 235

<210> 16127
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700962024H1

<400> 16127

gcttcaaata tcattcaggaa cttctctttc atgccagata atgaagttat aatggcccaa 60

<210> 16139
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700962039H1

<400> 16139

gtctcaaadc tcttcgttcc ttcgattcgt tccatttctt ccaaaatggc caaagaccca 60
gttcgcgttc tcgtcactgg agctgcaggg caaattgggt atgctcttgt ccctatgatt 120
gctaggggag tgatgttggg tcctgaccag cccgtgatcc tccacatgct tgacattcct 180
ccggcagcag agtcattgaa tgggggttaa atggaattgg tggatgctgc attccctctt 240

<210> 16140
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700962040H1

<400> 16140

gaaatattag gagctagtgc taggtgcgag tagtggagca aaacgcgggt gtgtgtgact 60
ttcgttggag agagatgcag ttccattcag aaactccaaa caaacatccc tcgcgacaac 120
cttaggaatc tcgatcgccg aaaaaaccta tgcagccccg aacacacaca ctctgcattc 180
caacttgttt aaatcatgcc tctcgattca cccttctctc tcaataaatc ttttggccta 240

<210> 16141
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700962041H1

<400> 16141

aaagacaata cttttcgtca agatagtggg ttttttaggtg agagaatcaa aggggggtctg 60
aattacagtc cctggatcat taaccaattg gcctcaagtt tgagaacca agagagggtg 120
aagaaggcca aacctggtgt tgtttctgct gttottacat caagtaacac caaagaatca 180
gtggcttttc aaatgccatc gtttctcaga agaaaggctg atccaaaaaa tgttggtt 238

<210> 16142
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700962042H1

<400> 16142

gaaacctatc ttctggatac atacacaggg acatagaatt cgtgttactt ctctcttggt 60
ctgctggcct ccctcagata cttacaacag caacttgcac aaaagaaatt ctggagggat 120
tttccaaaca gaaaaataat ggataaatct atcaacaagt atctgggttc tggtactctg 180
ctggagcggc taccctgtgc atagaggttc aaatgggaag atgctccttc cagaga 236

<210> 16143
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700962043H1

<400> 16143

ggggcagttt taccatttgg atccatggaa ttggagctag agaagagcaa ttcgactgaa 60
gcattcaggt ctatcctgga aaagatagaa acagccaagc tggaggggtgg tgaacttgat 120
gttctatgcc atcaactcca ggaattaatt tcttcctga agccatcaaa agacataatt 180
caaagcattg ggagaatatt cccaagcaat gcacgtttaa ttgttcgac cag 233

<210> 16144
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700962047H1

<400> 16144

acttaatatc tcaggatatc gatcatttac ctttatcact tctcagtggt cagcattaga 60
tcccaacatg cactactaaa caagtattct aaaggtaaaa caacaaaatt ctgaacttaa 120
ttataactaac taaaccaaca tggtcacatg taagaagaca acattccttg actaatagaa 180
tgttgatcag ccatgtagca tataatggaa gaccaggaaa cagcagataa ac 232

<210> 16145
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962007H1
 <400> 16145
 ctcccttgctc ttagccctcc tcctcttcgc cgccgtggac accgccgcga tggcgtggcg 60
 cgtccgacgc cgacgacatc ctgatccgta ggtggtgcca gatgtggcaa cgaagaggag 120
 gacaacctgc tgaacgccga gcaacacttc gcgagcttca aggccaagtt cgccaagacc 180
 tacgccacca aggaggagca cgatcatcgc gtcggcgtct tcaagtccaa cctccgcag 239

<210> 16146
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962048H1
 <400> 16146
 cctaccacaca acacccctt tctccaattc ctctcactca ccacaacaac tccttttttt 60
 acctcttcac attctccatt tcacagggtt ctgatcatgt tggggaagag gccccggcca 120
 atgatcgga agttgtcgga gttgttggtc tcgagaggcc gcacggtggc atatttggac 180
 accaccggaa gccctagagg cccattagac atgaagatga tgcaatcatc ac 232

<210> 16147
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700962049H1
 <400> 16147
 gaaagaaact gttgaatcgc gtcgattaag gttttgagat ttctaggctt tcatttcaga 60
 cagtgaaaaa atgatagata taagtacact taatgctgca cagattactg tgctgggatc 120
 tgccttttgt gctatgcttt ccatgcattt cagtcgcag ttactgtctc agcatctctt 180
 ttattggaag aatccgatag agcaaaaggc tattatcatt atcatcctca gggttccaat 240

tttcttcagt ttaaaaatgt gtaatttcta tgtttgatct tggcagaact tccagaaa 238

<210> 16151
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961980H1

<400> 16151

gaccgagcca gagcttcgtc ttggccctcg attttgccct gtaaaactaa tcccagtcac 60

aacagaaata atcaatggca ccgaaacaga ccaaggctga gaagaagatc gcttacgatg 120

cgaactgtgc gacctaattg aggagtacgg ccaaatectc gttgtaaact cgcacaacgt 180

gggatcgaac cagctccaga acattcgcaa gggctctcgc ggcgactctg ttgtcctcat 240

ggggaagaa 249

<210> 16152
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961981H1

<400> 16152

gaaatcgagg tcgtagtatg gtggttttagc gggataggat tggaagcagt accggctcgt 60

accaagaac aagaacatgg attatggctt cctgcttttg ctctcttct tccatatctt 120

ccttcctcac tcctctggta aaccagtggt agtgtgtgtt tctcaaggag gtcgttttcc 180

tcccttcaaa tcagagggta gcactcccaa aaagggctct aaagatttga ctctttgccg 240

gatctttcgc 250

<210> 16153
 <211> 213
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961982H1

<400> 16153

ctgaggtcct atgattcagt ctcttctaca agaattacaa cttgacattg taaccctgt 60

tgtctactgt gataactacc taagtactgt cactggctta taatccatta attaactgtt 120
 gtatgaactc atggttataa aatgatgggtt ttcttgaaaa aaaaaaaaga ggtggcccccg 180
 cggcaatatg ccttgtctag ccgggattat ttt 213

<210> 16154
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961983H1

<400> 16154

cagacttgaa tagggaaaag gattttaaat ttttcttggt atctgtgtat ctctagtggg 60
 atgaggcttt tgttgttggt gttgcactctg tatttatgtg aatagcttgc gctgtttggg 120
 aacatttcat agtcctgtac ttttaggaat ttattttgtt ccactaaacc aaaccaagga 180
 cgacatatgt acggaagtta atacatctgc acacattttg gtatataaaa taaattctt 239

<210> 16155
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961984H1

<400> 16155

aaacaacctt caacaaagac aaaaaccgct ctcttctggt ctgtccctca ccttataaaa 60
 caaagttcca cttcatccga ttcacctaaa ccacaccatt cgcatacaca cacttggttg 120
 tttgttacca tcttccaaaa atatcatgct cctaacgtaa aaatcctcgg tttcacggtg 180
 ccactgctat ctctaaacat taccatggca tcaactctcag gcattttctc ctcttcccca 240
 act 243

<210> 16156
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961985H1

<400> 16156

cgaccatggt ttgataaact tctctcataa gttaaaaaca actactgcac ctcagctttt 60
 gaataagttt gatgagagct tctataaaag ttgaagtgca taagttgacc tcaacttatg 120
 gaaaaattat gtttttccat tttattttct tctctcataa gtatgatgta gaatttaggt 180
 gggaatcaaa gtatatatgg agaactttag ccaacaagg cttaaaagga cttggatcta 240
 tat 243

<210> 16157
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961986H1

<400> 16157

ctttctcatc atcgaagccc gtcgcgagaa gaagctgctt cgtcacggtt cccaaaatcg 60
 cgtttcccaa gctccgtttc aaaccgctcg ctatggctac gtcggcgct cgcatggtgg 120
 ccgccgcacc caccgtcact ccgccggcct cgctcgactt cgaaacctcc gttttcaaga 180
 aggagaagat taacctcgct ggacacgacg agtacatcgt gaaaggaggg agggatttgt 240
 t 241

<210> 16158
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961987H1

<400> 16158

ggcctccccg gcgtctgcat cgccatctcc gggcctcacc gctgcaggag ctgacccttt 60
 tgccgccagt tgaagcccat gtctgtcgag ggtgcatagt tgcctcacgt tggacggcgt 120
 tcaatacgat gtgtcgaaga agatttgagg atcaagagtg gactgcttct caaatgccaa 180
 gccagttcac aggaagggtc cagtgggttct tcagaatgag atgcccatag cagagtctc 239

<210> 16159
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961988H1

<400> 16159

gggagacgca atgatgctgt cccccgtaac gagcactgac aggctttagt cttgtagcca 60
cagcgaactg ggacgcagtg ggcggtgagc atggctatca tcacagaaga acccgaacca 120
gagcaaccaa cacactcacg ctcacagatc tcacccagca aaccaacaa caacccttc 180
tccttctggt tctacttcac cctctccgtc tccctcttca ctctcttctt cgtcttcacc 240
tcctcc 246

<210> 16160

<211> 208

<212> DNA

<213> Glycine max

<223> Clone ID: 700961989H1

<400> 16160

cacatctggt gctggatttt ctgcggaacg taatcgact tgagacggtc attattaggc 60
gcgtactacg atatggtctg taagccgac accgttcgct tgaatacagg ggattctggg 120
atatgctcct tatctctgca cgatggccgc aattttctcc gtaatgtcta ctgcagagga 180
gagaacatgg aatggttaag ggcgaggg 208

<210> 16161

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700961990H1

<400> 16161

tttttggttc ttaagccatg gcatccacat cctctctgca tctatctcag gcccttctgg 60
cacgtgctgt gtaccttcac ggctcttctt ctgaccgtgt ctcactctcc ttcccatcat 120
tctctggcct caagtcacat tctccatgca aagcagcagc cacgtcctca cgtagaaggg 180
gtgcttgccg ttccaccagc gttgttcttc catgctgcgg ttgacacact gga 233

<210> 16162

<211> 211

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700961991H1

<400> 16162

cctgggttcta tcaattccag aaaatgatta cactatagga tatgcatcag tatcagacta 60
taatgctcaa aggtttccgc ataaccaatg ccaccatgag nagaatgttg ttgcaactgt 120
tatggctctt ccaagtcttg gaacatcagg aacgatgctc ttacctgtcg atgtgggtcaa 180
tgagacttca actagttcta aaagaaccac g 211

<210> 16163
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700961992H1

<400> 16163

gtgctggaac attgcaaaga ccctacaaca cagcagaaag ttatggatga aatttttaggt 60
gcagtttagca tgtttagtca ggatcagtat ggcaactacg ttgttcagca tgtgctggaa 120
catgggaagc ctcatgagcg ttcttgtata ataaaggaat tagcaggcaa gatagttcaa 180
atgagtcaac agaagtttgc ctccaatgtt gtagagaaat gtttgacctt tggaggctct 240
tctg 244

<210> 16164
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700961993H1

<400> 16164

ctcgcatctc aatacccttt tgatttgtga aaggaaagca aacatgcttg atcaggtcca 60
acaccctaca atcatggaca aggttgcttg ccagctccat ctccgttctg gtgtttctgg 120
tattaggagt tatgaaggag cctactgcca cccacaatg taccaaagac cctcttttgg 180
gaattactcg aatgctgcat tgcagtatcc tgtgatgcc tcatgcaaag ctactat 237

<210> 16165
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700961994H1

<400> 16165

tttgcaaacc ctttccaaca attagcaaaa catttggttaa acgatggaag taatgtgtgg 60
tgccaaagtt ggcaatatgg tccataaggc caagccttat gtgttaactg tggggttgca 120
atttgggatg gctgggacat acctcttcac catggccagt ttgaaccatg gaatgagccg 180
tttgggtgttc attgtgtatc gcaatgccat tgctgcattg gcccttgctc cctttgcctt 240
gatctttgaa aagaaagt 258

<210> 16166
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700961995H1

<400> 16166

ctctgggttcg accccaccag aaacttccac acttactcca tcatatggaa gcccacacac 60
atcatattct tggtggataa cattcccata aggtgttca agaatggtga gactattggc 120
gttcctttcc caaagaagca acccatgaga atctattcta gcctgtggaa cgctgatgac 180
tggggcacca gaggtggttt ggtgaaaact gattgttcca aggcaccctt tacagcctac 240
taccgc 246

<210> 16167
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961996H1

<400> 16167

gttgcgtaga agccgcgcca gttttttttt ttttttcaga gcagggtccc ctgatattca 60
tatattcggg tgcaatgaaa tcattttctg tccagaacta actacactgg ccttttgttc 120

<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700962005H1

<400> 16173

ggggaatcaa gtaaccagag cttcatgtga atgaacacct gatttgaact gagaaaaaca 60
aattatatat ctctattctt cattttatgc aacaatgatg agtttcatgt tttccctgt 120
aagctctggt catatatgaa tctcatcatt gttgcataaa atgaagaata gagatatata 180
tgaccagagc ttacaggga aaacatgaaa ctgagatggt ggaatatgga 230

<210> 16174
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700962006H1

<400> 16174

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ctgacatcgt tttgcgcctc gaccogaacc aaaccatcga ggaccgcttc cttggtgcc 120
cactctattg gttcaaccaa aaaaccgaac cgaaccggat ttccaccttc gttctccaaa 180
tcagaaaaac cgataaacgt cgcctccttc gccagtacct ccgccacatc aacctgtcg 240
ccgacgag 248

<210> 16175
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700961946H1

<400> 16175

ctcccatagt gcccatcatg ccccgcccag gtcccaaacc ttacgattgc atcaaaagag 60
cttggcacag tgaaatacac caaccatca gaggaactct cattcaagaa attttcaggg 120
ttgtcaacga gatacatggg tcttctacta agaagaacac agagtaccaa gagaagctaa 180
acgctgttgt gctcagggca gaggacatta tttactctaa agccaattcc gcagctgaat 240

tcaaacaat ttttcatctt tccccacttg ttggattaat ggctgcctca gctttgtcac 120
 taacatcccc attccatttc agaaaacccc acaacagggt ttcacctctc aatgctcatt 180
 ctctcattct catccaaaag ggtaaacaat ctcttaaata aaacttctca ttctcaaccc 240
 tgaatgct 248

<210> 16179
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961953H1

<400> 16179

ccttttcagt cattagtgtc agtgtgaggt ggggttgatc ttagtttggt gttctcgggg 60
 tcagttatta tctgcttgcg tgttgcata gttgttgctg gttaagagtt ttcaaatcac 120
 tagtggtggg tagccttttc aatcgtgtca atgcctccta catactttgc cgcttcggtg 180
 ggagagcact ggggaccagt ggtgg 205

<210> 16180
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961954H1

<400> 16180

ggcagaacca aatagctcat tagtgagttt ttgagttcgt gtgtcctttc tttgtgtgtt 60
 gcaaggttac aagatggagg atcaaatgc atcatcta atgattgggca aggtgttcca 120
 caaggttaag cctaccttg ctatgatgtc ccttcagttt ggctactccg gaatgtacat 180
 catcaccatg gtttctttca agcatggcat gagcattgg gtactctccg tgtaccgtca 240
 tatagt 246

<210> 16181
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961955H1

<213> Glycine max
 <223> Clone ID: 700961958H1
 <400> 16184
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 tcttctctga aaattctctt tagagagata gagagataga gagagagaga aagaaattaa 120
 gaaaaaatgg cagcctgcac tgtctactca acacaatctc tgagcacaaa ttgctccatc 180
 tcaaccccat caaagacaca gctgagtttc ttccaccaa agcaggtagt tttctggagg 240
 aacagcaac 249

<210> 16185
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961959H1
 <400> 16185
 agagagggag attctttggt tgctaccttc tctcggaaaa atggttacgt tcaggtttca 60
 ccagtaccag gtggttggga gggctcttcc caccgaagca gatcagcacc ccaagatcta 120
 ccgaatgaag ctctgggcca ccaacgaggt tcgcgccaag tgccaattct ggtattttct 180
 gaggaaactg aaaaagggtga agaagagcaa tggccaagtg cttgccatca acgagatttt 240
 tgagaag 247

<210> 16186
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961960H1
 <400> 16186
 cttggtttta attggtatag gcttgccaag gtcttggtga ttgcacgtta agtgctttaa 60
 ctaatcaatc ccaagacctt gggttacctt gccacacaaa aaaatataca aaaaggcaaa 120
 ataataataa aaaaaagaga aggcttggag ccaagaaaat aaacacaaag cagcagtcac 180
 ggaaagaata atgggttgga gtgcaacaca gggtgctttc aacctcttgg tcactttcgc 240

cattgtc

247

<210> 16187
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961961H1

<400> 16187

tctattcttt taaaccttag tctcccacgg aagacttcaa cagaagaaaa aggaagaatt 60
aatatcactc ttccatgggt gccgacgaag cttcaccatt cgagaccagc gatatgctgg 120
caacgctcct ggcgtcgacg ccgctgttgt cagagtcatt gcggctgtgc accaccgtgg 180
ccgccaccgc gccgaggagt ttcatgactg agcagcacgg tggcggcggt gtggtgtacg 240
tcgctttc 248

<210> 16188
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961962H1

<400> 16188

tacacaggtg aatccgtcga cattcattgc aatttgtgat cagcgaggaa agaaagcagg 60
gaggttctgt tgtaggtggg tgagtaatag tatcggtcgt gttgtggata gatcggcatg 120
gcttcttctt cagcttctcc tcgaccgagc gccgccgagg aacattcgag gaagatatta 180
gggtttatgg cgcacgcgaa gcaacggaag gacagcttca tccaattctt cgccatgacg 240
ggtat 245

<210> 16189
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: 700961963H1

<400> 16189

gtgagcattt gcaaatgcgt tgccacaccc gaagctgacc ctgcctacaa gacaggggtc 60

aatcgcaatc ctaatatgtg ggaaactatc aagctaggct agtctcttat cccg 114

<210> 16190
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961964H1

<400> 16190

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 ccctcgacgg tgacatggca accgatgcct ccgccaccgt tcccatccct gacgtcatga 120
 aggctcttat ccgccccgac atcgtaatt tcgtacactc gaacatctcc aagatcagcc 180
 gccagccata cgccgtcagt cgtcgcgctg gtcaccagac ctccgccgaa tcctggggta 240
 ccggccgagc cgtct 255

<210> 16191
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961965H1

<400> 16191

gaggacttga ggaacaagag tcctcttctc ctccaaatga acccggttca caagaagatt 60
 ccggttctca tccacaatgg caaaccatt tgtgaatccc tcattgctgt tcagtacatt 120
 gaggaggttt ggaatgacag aaatcccttg ttgccttctg acccttacca gagagctcag 180
 gctagattct gggctgatta tggtgataag aagatatatg atcttggaag gaagatttgg 240
 acatcaaaag gag 253

<210> 16192
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961966H1

<400> 16192

cttggtttta attggtatag gcttgccaag gtcttggtga ttgagcgta agtgctttaa 60

ctaataaatc ccaagacctt gggtttacctt gccacacaaa aaaatatata aaaaggcaaa 120
 ataataataa aaaaaagaga aggcttggag ccaagaaaat aaacacaaaag cacaagtcac 180
 ggaaagaata atgggttgga gtgcaacaaa gggtgctttc aacctcatgg tcactttcgc 240
 cattgtcatt cca 253

<210> 16193
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961967H1
 <400> 16193

ctttgttcac tcttcttctc ttgcggctag gggttttagcg cactatcttc tagatttaag 60
 gaagatgggt aaggaaaagg ttcacatcag tattgtggtc attggccatg tcgactctgg 120
 gaaatccact accactggtc acctgattta caagcttgga ggcattgaca agcgtgttat 180
 tgagaggttt gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt 240
 gctggacaa 249

<210> 16194
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961969H1
 <400> 16194

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60
 tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cggttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tac 243

<210> 16195
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961970H1

<400> 16195

acacacttgg ctgaggaagg tcggaaaaga aaatggagtt gttcttctac acggtgttcg 60
gtgcactggc cgcggttggt gcagttatgg agctgagcaa gaacaacaag gatcgaatca 120
acacctcttc cgcattcaat tccttcgaga acaactacat cctcgtctat tccctcatga 180
tggtctggaga ttggctacaa ggtccatatt tctactacct ttacagtaca tatggatacg 240
gg 242

<210> 16196

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700961971H1

<400> 16196

gatgtcgggt cgtggaaagg gaggcaaggg ttgggaaag ggaggagcca agaggcacag 60
gaaggtgctt cgtgacaaca tccagggtat caccaaaccc gcaattcggc gtttggtctg 120
cagaggtggt gttaagagaa tcagtgggtc catctacgag gagacacgtg gcgtcctcaa 180
gatcttcctc gagaacgtta ttcgcgacgc tgttacctac accgagcacg ct 232

<210> 16197

<211> 201

<212> DNA

<213> Glycine max

<223> Clone ID: 700961972H1

<400> 16197

cattaacctt gctgcaaatt gcgcacacga ttctttgcat tccttcgaaa ctctcccaaa 60
tcccactctc tctctctctc tctctcataa atacgccacc ttttatttta cgtaactgct 120
ctgcacctta gtcttctctc tccaatctcc aactccattt cttcgatctg gagctctccg 180
ctattcaagc tgtcaaattt c 201

<210> 16198

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700961973H1

<400> 16198

acacaagatg tttccacttt accttactag agttctgact ttcttcatgt atgcgtttat 60
gtttctactt atttctgttc attgtattac cgttctcaaa caagttatta tataattaag 120
accggtctca tttcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagg gggccccccc accaagagac 240
cccccccc 248

<210> 16199

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700961974H1

<400> 16199

aatgagacc atgcaaatgc aaatgcaatg ttctctctgc tctcattctt cttgtcacat 60
tcctttttat tgcttcttcc gtccactgtg aagacccata tcggtacctc acttgaagag 120
tcacctatgg tgacatctat cctcttggtg tcaagcaaca agggatctta attaatgggc 180
agtttccagg gcctcaaata gatgctgtta caaatgacaa cttgattatc catgtctat 239

<210> 16200

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700961945H1

<400> 16200

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tctcttaatt atgaggggacc tagacaaggg atttctcatg gaaggatatc atcagttcat 120
gtgctccctt tcagtgggtt aaacagagag cacattctat atccactgag aaggctacag 180
tttctgctac cgatgaagat tccattgctg atgtgatgga acagcatgac gaatttctta 240
gttcaatg 248

<210> 16201
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961975H1

<400> 16201

caaaggaaga caaggggaat attatgtgat ggttatggac atgcttggtc caagcttgtg 60
 ggatgtttgg aattcctcaa gccaggctat gactgcgga atggttgcat gtatagcagt 120
 cgagtcccta tcgatactgg agaagatgca tgcaagaggc tatgtgcatg gagatgtaaa 180
 accagaaaac tttttactag gtcaaccttc tacaccacaa gaaaagaaat tatttcttgt 240
 agacc 245

<210> 16202
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961909H1

<400> 16202

aaaacatctc taaacgcttg taaagatctc catctcccat tgatcctcct gaagtttttg 60
 tattcaacca tggctaccta tagttgggtca actgagatat tttcattttt ggttctaacg 120
 ttgttgctga caagcagtca cacaatgggt gctggagcac gcaatcttct cgaatcaacc 180
 ttgtcaaaac cagaagtgcc aacacttccc aaacctcatg agttgccacc attgccggaa 240
 atccctgaat tgccc 255

<210> 16203
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961911H1

<400> 16203

gtaggaattc caggggtctgg ccaacgagga acccgtgata tgctgggtcca caaatgaat 60
 ggtagagata tttttttgtt gttacgcata catagtcata tcctatttca ttgcaacaaa 120

ctatggcact gtcaggctgg gcaattgtgc aagcgtccta tgccattggt gggcccagac 240
ccttgtctgt gttt 254

<210> 16215
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700961926H1

<400> 16215

ctttggaatg gaatgaaacc tcttcttccc tctctcctaa ttctctctca ctacatccat 60
cctcgtaaaa caaaacaacc tcttacctcc gttcaagttt cacacgttct tccactatgt 120
cctgggttgcg acacctctcc tccaagttct cctccaccac catcacaagc acgcgccgct 180
tcacttcctt gtcccggttc agtacctcga ccgctccggc tcgtcatgcg ggccctggggc 240
ccactcaggc cca 253

<210> 16216
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961927H1

<400> 16216

gttggataga gcttcttgcc ttgtgttcta cgttctgcat tcttctcagc ccgaaacaag 60
gacctgtcat caagatggtg aagttcacaa ctcacaggct tcggcacata atggactgcg 120
aacacaatat tcgtaacatg tctgttattg cacacgtcaa tcatgccaaag tctacgtctca 180
ctgattctct tgtggctgct tctggtaata tccttgcaac agagggtgaa gctgagcgtg 240
gcaacact 248

<210> 16217
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700961929H1

<400> 16217

accatgtgga agagactcac acttgagggg gagatgtatt gggttacaag tgtgaggtga 60
 agtcccacat cggatagaag tggaaagggt gagcaccata taagtgagga gaagacccat 120
 aaacctgagc ctttaagggtt tgggtagag tgttgtgtca ggtctcctta tgtgggtggct 180
 tgtgggtccac aggtgtactt ctggaatctc cccaacaggt ggattggaag gggatttcaa 240
 tccttgtcaa gt 252

<210> 16218
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961930H1

<400> 16218

atccaaaatc agccatgggt tcaaatggta ggatgctgtg ttcaagcttg attacagcac 60
 ctccgtcatc ctccctctcc agaactactc catcctactt ctgctcattt ccttctcgta 120
 gaatcatctt cagccaaga attggatcat ctccggcccc ggcccaggcc caggcccagc 180
 ccaaggaagc caagctctgg ggtggcaggt tggaggaggg cgtaaccgac gttgtggaga 240
 ggttcaccga gt 252

<210> 16219
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961935H1

<400> 16219

gtgtgacaca gaaattaagc tagagcttca tagtttcttc ttcttttctc accttcttc 60
 tctcccttca gacaaagga caaaaaatca gtgtgtgaga gagagagaga gaaattccaa 120
 aaccatgtcc cacagtcac taagtttctc ctttgggatt ctaggtaaca ttgcctcctt 180
 cgtgtgcttt ctggcaccac taccaacatt ttatagagtt tgtaagaaga aatcaaccga 240
 agggttccaa tcaat 255

<210> 16220
 <211> 248

<212> DNA
 <213> Glycine max

<223> Clone ID: 700961936H1

<400> 16220

gtgctcctaa cattagatta gaccctctac catgttctctc tgcctctgaa gtctgaacct 60
 cccaggaat ggcaatggag aatacaacat tgtttgtgta gttgctgaat gtgcttcttg 120
 tgttcagtgc ctttcttggtg tccgcagagc aacaaagtca atcctcagct gtaggggacc 180
 catgaatgca aagagatggg ttaagggtgg ctttgaagc ttggaacttc tgcaatgaag 240
 ttggtcaa 248

<210> 16221
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961938H1

<400> 16221

attctctctt ctattctatt ctaaactcga aacaatctta gagaaagaag cagaagaaaa 60
 tgccgatttc tagaattgcc attggaaatt ctccggagtt gaaccaatct gatgcactta 120
 aggctgcact agctgagttc atctcaatgc tcatctttgt ttttgccggg gaaggctctg 180
 gaatggctta taataagctg acaaacatg gttcagcaac accagcaggg ttagtggcag 240
 catcactgt 249

<210> 16222
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961939H1

<400> 16222

attctcaact gcgcggtgag tgagtgagag acggaaagtg caaagccacc gtcttctctt 60
 ctccagagctt ggcttttgctt atcgattctc tctcctctca tctttctcat tcaaggtttg 120
 taaaagatgg ccgatgctga ggatattcaa ccccttggtt gtgacaatgg aactggaatg 180
 gtcaaggctg gatttgctgg tgatgatgct ccaggggctg tctttccag tattgttggc 240

ggttagacaa atccaatctc tcaatatata atcctatgat ctcaccctca ctctgattct 120
gatttctcac tctacgtgtc tcgttcgggt catcagcgtg tgtctcagcc atggcgtatc 180
tctacatgag agacgttggt ggatttatga tcataactgt acatattgag acttacttgg 240
atgt 244

<210> 16226
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700961944H1

<400> 16226

ctcgcaagca aaaagaaaga atcccaggcg aggagaaaga tggaggggaa ggagcaggat 60
gtgtcgttgg gagcgaacaa gttccccgag agacagccga ttgggacggc ggcgcagagc 120
caagacgacg gcaaggacta ccaggagccg gcgcggcgcg cgctgggtga cccgacggag 180
tttacgtcat ggtcgtttta cagagcaggg atagcagagt ttgtggccac ttttctgttt 240
ctctacatca 250

<210> 16227
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700961908H1

<400> 16227

ttcgaataga ttatcctaag tctttgggaa tagtgctgca atggcttcaa gtcaggagga 60
ggtgaccctt ttgggagcta ctggaagccc atttgtgtgc agggttcata ttgccctcaa 120
gttgaaggga gttcaataca aatatgtcga agaaaatttg aggaacaaga gtgaactgct 180
tctcaaatcc aaccagttc acaagaaggt tccagtgttt attcacaatg agaagcccat 240
agcagagtct cttgt 255

<210> 16228
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700961875H1

<400> 16228

ctcatatact actaacaccc tcagaaccgt tccccacttg cttttcaatt ttcttttttt 60
gcccttttcg ccgccctcaa agagttcaag gatttataca attaatagtt ttttaatttg 120
gaatggctgg aatttgctgt ggagttgttg gagaatccgg agagacttct tcctcttcaa 180
tcgaaccac ctgcgcgcc tccgctcgcc ggagtttgga cattttgcct ttga 234

<210> 16229

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700961876H1

<400> 16229

gtaagctttg tgctaggaac tgcttattca atcaatgtgc ctctgttgag atggaagagg 60
tttgcagtgc ttgcagcgat gtgcattcta gctgttcggg cagtaatagt tcaacttgca 120
tttttccttc acatccagac tcatgtatac aagaggccac ctgtcttttc ataatcattg 180
atttttgcta ctgcattcat gagcttcttc tctgtagtta tagcactgtt taag 234

<210> 16230

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700961877H1

<400> 16230

ataaaaactaa acacacagtt gtttcatcag cacaccgca ggtctcctaa acaagtcaca 60
ttttattcat catggacatg aagaaggta cttgtgctgt tctcatcgcc gccgcctccg 120
tgagcgctgt ggtggctgcc actgaggta cagccctgc ccccgccca agcagtggag 180
cttcagctag cttgcccctt attggctcct tgggtgggtgc ctcagtcttg tctt 234

<210> 16231

<211> 234

<212> DNA

<213> Glycine max

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700961881H1
 <400> 16234
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 ttcttccctt ctcaacttgt actacaattt ctggattgaa ttatcttcaa aatgagagaa 120
 atccttcatg ttcaagctgg tcaatgtgga aaccaaattg gaggcaagtt ttgggaggtg 180
 atgtgtgatg aacatgggat tgatgccact ggaaattacg taggtaactt tcattctcaa 240
 c 241

<210> 16235
 <211> 188
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700961882H1
 <400> 16235
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 aagcttgtag agagattttt cgctcgtagt gtctactcag cggtcctcc ttggtcact 120
 atgctgtgca tgcttggtct tgggtgtgca tggaagtcct gatccatcta tagggggatg 180
 tcgaggcg 188

<210> 16236
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961884H1
 <400> 16236
 gcgagaacca aagaaaaaaa aagcttcttc cattttccga aatcgaagca ttagggtag 60
 ggttttttcc gatctgagaa attcgcggcc caatggcgga ggaaccggag agcaccgtca 120
 ccaccggcgc cgccgacgaa tcgctgctcg ataagatcac cgagaagctt cacggccacg 180
 attcttcgtc ctcttcatct cccgactccg actccgactc cgaaaaaacc gttactt 237

<210> 16243
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961892H1

<400> 16243

ccttcctgga taacgttttc gggttcgaga aggcacttgt gttgtttttc gtacgaaatg 60
 gagactaaac agagttcggg gacggttacg ctacgttacg gcgcgttgac gtgcgccgag 120
 gaatttctcg cgactttgct agcttctgct gtcgtcaaag cctcgctttt agccccggat 180
 ctctaccggc tgctattgat caacacgcct actgccaaag gagagagcaa aa 232

<210> 16244
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961893H1

<400> 16244

gttttgatgc aacgctgtca ctgagaaagg atctctatct acgaaggagc ggaataaaac 60
 ccttctctct gtgattaaga gaatggcttc agatcggaac cttcacactt ttgaggaggt 120
 ggcaaagcac aaccagacca aggattactg gctcatcatt tctggcaagg tgtatgatgt 180
 cacccttttc atggaggatc atccccgagg tgatgagggt ttgttatctg ca 232

<210> 16245
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961894H1

<400> 16245

tttgcaaacc ctttccaaca attagcaaaa catttggttaa acgatggaag taatgtgtgg 60
 tgccaaagtt ggcaatatgg tccataaggc caagccttat gtgttaactg tgggggttgca 120
 atttgggatg gctgggacat acctcttcac catggccagt ttgaaccatg gaatgagccg 180
 tttggtgttc attgtgtatc gcaatgccat tgctgcattg gcccttgctc cctttgcctt 240

gatctttg

248

<210> 16246
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700961895H1

<400> 16246

ctattttctc actcctgtct ctgccaggtc tcgccaatc actgaccccc agtattgtcg 60
ttacctcatc accgagtatc gtaaaattct catgaggttg tatgagttgg gtgctagaag 120
ggttcttggt accggaactg gtccattggg ctgtgttcct gctcagcttg ctacaaggag 180
tagtaacgga gagtgcgtgc ctgagttaca acaagctgca caaattttca acccactt 238

<210> 16247
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700961896H1

<400> 16247

caggccgggt ctggtctccg tagcggttac ccccaaaga tgcctttacc cagttcccat 60
ttcatctctt ctgagacctc tacctggctc ctctaaaaag caagccccac ttctctccga 120
tgcctctctg gacaacctg atctcgccc attccttctc aagctggccc gcgacaccat 180
tgcctctggc gatggccccg ccaaggccct cgacttcgcc atccgggcct ccacttcctt 240
tga 243

<210> 16248
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700961902H1

<400> 16248

atgcggctcc agctatcatg gctgagcatg atgctcgaga tgtacaaagg cccctcgacc 60
aatggagaag cagcaaaggg ggattcatgg cttccatgta cattttagtc ttgccagcat 120

00220-CTT660

tggataacat gggctttgag gcaaacatgg taagcatagt cctatacttt tatggagtga 180
 tgcactttga tctagccagt tcagccaaca cactcacagg cttcatgggc tcaacctagt 240
 tgcgggacct tgctcgtggc ttcattctcag at 272

<210> 16249
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961903H1

<400> 16249

gccttgcttt gcagcttcag ttcagtctct aactgtgttg aatttatcta acaactctat 60
 tgtgggggga ctacctgctt gtattgcttc tttcaagct ttgactcatt tgaacctgtc 120
 agggaaccac ttgaagtata gaatatatcc taggcttgtg ttctcggaga aacttcttgt 180
 tttggacttg agtaataatg ctttgtctgg tcctattcct tgtaaaattg ctgagacaac 240
 tgagaaactt ggccttgt 258

<210> 16250
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961904H1

<400> 16250

atccattctt tgctccctcg aactgctgtt tggctctctc actcttatcc atggcatcaa 60
 cgtttctcac cctaccaact cccttcctac acaaaactaa tgccatcact ttctctgaca 120
 agagaccctc atttttgcag aggagctctc tgaagatcaa tgcaattacc aaaaaatggg 180
 aaccactaa ggttgtacct caggctgata gagttcttgt tcgtttggag gagctatcag 240
 ataaaacagt tgggtg 255

<210> 16251
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961905H1

<213> Glycine max

<223> Clone ID: 700961907H1

<400> 16254

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 tcatgagcca ccatcgcaac aaccacgctg cgctcactgt ttcaaccggc gatgcgaatc 120
 ccgatgactg tcaccaaccg gtcgatgctc ccctttccgc agcagaacag attagggtta 180
 gggtttcacg ggaggacaac gcggcaccgc catcctccac cgctgatcgc ttcgaccgca 240
 tc 242

<210> 16255

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700961841H1

<400> 16255

atggagaata catgcctagc tagtaaactc ttacattctt cttgaaaggt tatacggaaa 60
 ataattatta tttaattgat agtaatgtaa aacttttaca cttaattaat attagttcat 120
 aaaagaaaac aaaaaaata tttgtaacca atatgtttcc ttttacaacg tgattactct 180
 cattcctccc ttacaaatat ctctttctcg tcacacgaac cacccttcat ggtatatttc 240
 t 241

<210> 16256

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700961843H1

<400> 16256

ggaccgtaaa gttgagtttg gccttcctga cttagagagt aggacgcaga tattcacgat 60
 acacacaaga accatgaact gcgaaaggga tattcgattt gaacttctgg ctcggttttg 120
 cccaaattcc actggagctg atataaggag tgtatgcaca gaagccggta tgtatgctat 180
 ccgtgcccgg aggaagactg taacagagaa agacttcctt gatgcagtaa ataaa 235

<210> 16257
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700961844H1

<400> 16257

aaaacagtaa acaaaagcaa atgaggaaat gaaataatta ttttaatttt gtaattcatt 60
gtttggttct gcttcacagg aatggtagat ttgaggtgaa aaggttccac attggtcagg 120
ttcagatctc acaatgggga agtcaccagg aaaatggatc aaaactgtat tgttttggaa 180
aaagtcaccc aaatcaaata tttcaaaagg cagagagaag cttgttaatc aagaagaa 238

<210> 16258
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700961845H1

<400> 16258

gtgagaacct tggtagagga acaaagataa ctttgtttct taaggaagat caacttgagt 60
atcttgagga acgccgtctg aaggatttga taaagaagca ttctgaattc ataagctatc 120
caatttctct ctggattgag aagactactg ataaggagat ttctgatgat gaggatgagg 180
aagagaagaa ggatgaggag ggtaaagttg aagatgtgga tgaagataag gagaaggag 239

<210> 16259
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700961846H1

<400> 16259

cggcattcgg ctcggtcgga ggtggcttat gacgatatga ggccctccgt cttcctcctg 60
tggcttgatc ttacttctgt cctcgcgac tctgccctag cttccatctc tctcagctta 120
tgtcgtagac tgtgggggca cccagaggt aacggtagac aatctcacgc acattcctga 180
tgagagttac atcaaggtgg gcaaaaccat ctccatcatc aagccagact tgttgccaat 240

actctcaaca ttgcgata

258

<210> 16260
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700961847H1

<400> 16260

atcgttggga tctccatacg ccggatctgc taaaatacgc ttgatccata tgggcctcct 60
cgaccacttg tgggacgaca ccgtcgccgg. cccaaggccg aaaacggtct cggcaagctc 120
cgaaaacacc acaccttcac tttccgacct agctccggca aggaaacgga gggcgggagc 180
gtgagatcgt acggagacga atcgtcggat gaagcgacga gagtgacgcg tagtatcatg 240
at 242

<210> 16261
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700961848H1

<400> 16261

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ctctctctct ctctctcttt tccatcgcta ccctaaccct aaccctaata ctctgctctt 120
tcgccccctc ctttccctct ctttctcttt ctctcgact aaaccccgtc gtgccccctt 180
tctcgttctc gtttctcttt cccaagattt cacctccaac tccaagatat cagtgtctac 240
tg 242

<210> 16262
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700961849H1

<400> 16262

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002260" 002260"

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 tttctctcct tcttcctttt cagatctccg ctgaggaatc atcggagaaa gagttcgtac 120
 tcacattgga tcaacttaac tttcaccaca ctgtcagcaa gcacgatttc atcgtcgtcg 180
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<210> 16269
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961860H1
 <400> 16269

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 gcaaagagct tgagaaggag cccaagtttt tgaagaacgg tgatgctggt tttgttaaga 120
 tgattccaac caaaccatg gttgttgaaa cttctccga gtatcctcca cttgataggt 180
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<210> 16270
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961861H1
 <400> 16270

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 gaggaacgt tgtacccatc aaagaaatac cttagtctct cttgcaactt ccctactaac 120
 atcagcaacc aatacgagaa ccacaaatga ggctacctca tgaagcagtc tttgatgaat 180
 cagcgggttaa tgcttggtcc tcattctcaa tttcaaggat aatccaaaaa tatcaaaa 238

<210> 16271
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961863H1
 <400> 16271

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 tttgaagccg aagatgaggg tgaggatggg gaggacgggtg aagaagaaca agctgtgatt 180
 ggattatgga gtggcattgc ttggttggtg gggatgactg tgttcattgc tgtgttgtc 239

<210> 16272
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961864H1
 <400> 16272

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 cgaaactcag ggtttggtgc cagtgcagct gaagcagata agcgaggcct ctcaatccgg 180
 tgatgaaaag tcgaatttcg tgatcaacgg tgtagatctg aacaatgtaa cactgcttgg 240
 gatggtg 247

<210> 16273
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961865H1
 <400> 16273

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 gaatctcgcg gtgttgtaag ttctgcgggc gttgtagttc cggcggcgat gggacagcaa 180
 tcgttgatct acagcttcgt cgctcgggc accgtgatcc tagcggcata caccgagttc 240
 accgg 245

<210> 16274
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961866H1

<400> 16274

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gcttttcac tctcttcaat gttctctcca ctggatcgag gccttttctc accttggagt 180
ggtttaaagc atctgggtat ctgagctaaa ccaaacctc ttcttcacat agatagaaag 240
gg 242

<210> 16275

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700961867H1

<400> 16275

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catgggtacc cgcaaccgcc aaccggccac cgctctcct aaccggttcc ctgcacgaga 120
ccgtcaggct ctggcgctcc gacgacctcg ttttgagct caccaacacc ggccactgcc 180
tcggcgctgc ctccgtcgcc gttcaacccc tcggctccgt cgctcgctcc tcct 234

<210> 16276

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700961869H1

<400> 16276

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tagtgaacta taaggatgtc aggctgaagc tcaatgatgt ggaaaagaaa aaccgtgaca 120
gcatttttga gttgactctt cagctaaggg aatgaagaa cgctctttcc acaaaggata 180
aagagatata ggttttacat cagaagctgg acaatccaga tgcaaactct gatgaaag 238

<210> 16277

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700961870H1

<400> 16277

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tatttgcttt agctttgttc actcttttgc ttataggaag ttcttcagct caactctctg 120
agaacttcta tgatagtaaa tgtcccaagg ttttctatgc cgtaaaatcc gttcttcaat 180
ctgctttggc taaagaacct cgccagggag catctatcgt tcgcctcttc tttcatga 238

<210> 16278

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700961871H1

<400> 16278

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atgctggctc aaaggttaat caccacagaa tggtccaagg cacgccacgt gggaacggga 120
ccttcatgta tgagaagggtt ggtagtggtc ctcttctgt ggattggagg aagaatgggtg 180
ctgtcactgg tgtaaaagat caaggccaat gtggtaagct aaatgatcac tagtccc 237

<210> 16279

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700961840H1

<400> 16279

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cccgataaca tcggtaacct taccgatta gatgtactca gtttaactgg taaccggttc 120
atcggaccgg taccgagttc aataaccaag ttgactcagc tcaactcagct caaactcggg 180
aacaattttc tcaccggaac agttcccaa ggaattgcc aagctcgtaa tttaacctat 240
tt 242

<210> 16280

<211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961872H1
 <400> 16280
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 tctccacacc aagttcccag aagaatggat cactcttggg aagcacaaaa gcttcttttc 120
 ttagtgggag gaaactgaag gtgaacagtt ttacagcacc agttggagca cgatccagca 180
 ctacagtgtg tgcagttgct gagcctgata ggcctctgtg gttcccaggc agcaccc 237

<210> 16281
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961873H1
 <400> 16281
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 actttttgcga tttgggggttc ccttgttgct tgttatcacc ttctggtatg ctacttctac 120
 tgctgcagca acaactcaag tttcagggaa tgaagagctg ccaaagacaa acctaaatga 180
 ccatgatgaa gaagcaaaat tcggattttt tcatcataaa ccaatattca agaaa 235

<210> 16282
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961806H1
 <400> 16282
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 acaaccacaa caccatcttc atcacatggc aaacgcagca tctggtatgg cagtccatga 120
 tgactgcaag ttgaggtttt tggagctgaa ggcaaaaagg acacaccgtt tcatagtttt 180
 taagattgag gagcagcaga agcagggtcat tgtggagaag cttggtgagc ctgcccaggg 240
 ctat 244

<210> 16283
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961807H1

<400> 16283

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 gatcgtataa tgagctacta tggagattca cctaggggaa tggtagaatc tgcttttgaa 120
 tttgcaagga tatgccgaaa gttggactat cacaattttg ttttttctat gaaagcaagc 180
 aacccgggta tcatgggtca ggcataccgc ttacttgtgg ctgaaatgta tgtccaaggc 240
 tgg 243

<210> 16284
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961808H1

<400> 16284

ttcgaataga ttatcctaag tctttgggaa tagtgctgca atggcttcaa gtcaggagga 60
 ggtgaccctt ttgggagcta ctggaagccc atttgtgtgc agggttcata ttgccctcaa 120
 gttgaaggga gttcaataca aatatgtcga agaaaatttg aacaacaaga gtgaactgct 180
 tctcaaatcc aaccagttc acaagaaggt tccagtgttt attcacaatg agaagcccat 240
 agcag. 245

<210> 16285
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961809H1

<400> 16285

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 atacatataa atattcatgt atttgtataa ggtcaatccc cagaagaagc tgaaggctct 120

tttttttctg ttggtttctt tggttggatc tagagaagac aatcttagtt gtgaaactca 180
gacacacatg ttgggagtaa ttattttggt gtaaattctg agccttttgc aggagaggtt 240
aaact 245

<210> 16286
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700961810H1

<400> 16286

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acccttccc ctctccccc aattaggggt tctctctggg aatgtgattc agcgcgcggc 120
agcatcaatg gcggagaaga gattcggcgt gatagggtac gctctggcgc cgaagaagca 180
gaacagcttc atccgcgact cgctggtgag cctagcgaaa tcgcgaggga ttgagctcgt 240
g 241

<210> 16287
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961814H1

<400> 16287

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cttttctcaa gacgtgtgac cagacccccc cccctactc acacaaagga gaaaagattg 120
aacactaaca tcaaacaaca aacaaaaaag accatggtaa tggtaaacc tctaaattat 180
tggggaagac aaaagaatga gaaagaaagc tgccctttct ctcgtactc ctctacccc 240
aaaca 245

<210> 16288
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700961815H1

<400> 16288
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gaagaagatg ccgatcagaa acatcgccgt cggaaggcct gaagaggcga ctcaccccga 120
cacgttgaag gcggctttgg ctgagttcat ctcaaccttc atcttcgtgt tcgccggctc 180
aggctccggc atcgccctaca acaagctcac cgacaacggc gctgccaccc ctgccggcct 240
catctc 246

<210> 16289
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700961816H1

<400> 16289
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catagatgga gagtggaag tccctcttct caacaatcgg ttccgatca tcaaccccg 120
tactgaagac atcatagggc atattccagc cgctactaag gaagatgttg accttgcggt 180
ggatgctgct aaaagagcct tttcccataa caaaggcaaa gattggtctt cagctcctgg 240
ctctgttcgt 250

<210> 16290
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700961818H1

<400> 16290
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cgcaagaaat ctagccgaac tcttgtctca aaggttccat gtgccactct cagaaacttt 120
ctttcaaatt tgcaagaggt tattcttggc accaagcttt ccattctcat ccctgctatt 180
ccagctgcc a tcgttgctga gtgctttggc tttggaagac cttggatttt tatattaagc 240
ttacttg 247

<210> 16291

<211> 199
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700961819H1

<400> 16291

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 cgagattgag ctcttttacc catcatcatc atggagctcc tcgggtacct gaatcagggt 120
 cacccttcta gaggaacaac acttggttatt actctttcat tgggtgcttcc gacacttggt 180
 tncttcacca cttccacac 199

<210> 16292
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961822H1

<400> 16292

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 ggttgtggat gttcccaatg ggagttccgc gatggatggt gaggaggggc ttgatgatga 120
 tgttggtggt gctgttgagt ttgaggagaa tgaggatgat gatgaggaga gtgatttgga 180
 tattgtgcag gatgaggagg aagatgatga ggatgtcgcg gagccaaatg gttccggggc 240
 ta 242

<210> 16293
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961823H1

<400> 16293

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 tccgatcact gcgcgaccca attccatggc ggctggccct ccaacaacat caccctccga 120
 tcgaccacac atggtccctc ccccaatgct cgtctccgac tccttcgcca aggacgcat 180
 cctcgcttgg ttccgcggcg agttcgctgc cgccaacgcc atcatcgacg ccctctgcgc 240

cca

243

<210> 16294
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700961824H1

<400> 16294

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atcgacacct atggaggatg ggggtgcacat ggtgggtggg ctttctctgg gaaggatcct 120
accaaggttg ataggagtgg tgcctacatt gtgaggcaag ctgcaaagag cattgttgca 180
aatggacttg ctaggagggc aattgtgcaa gtttcctatg ccattgggtg gcctgagcc 239

<210> 16295
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700961825H1

<400> 16295

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gttgatgggt atcccagatg gtacagctgc ttttccctt tcacctcttg gagaagcttg 120
tctacgaatg gatctgactg ccctgcatga ggtgatggag aaaattgggt ataaagacga 180
cgagggcgca caactgagct ttcattccaa atgtggacga accagatgca ggaaacgttg 240

a 241

<210> 16296
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700961826H1

<400> 16296

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agcctttaa taaattgggc ccagttgcat aaaatctgat gttggcccg caaatgtag 120

aatggtagct ccggcgttgt agaatctgca gaaaatgaat catctcaata cgaggacact 240
gtt 243

<210> 16300
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961831H1

<400> 16300

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ttccgatgtg ggatcttttg ttaccaagac agcctctaca ctcacaccat gcgccaattc 120
tacagagagt gcaaaatcag tggcacagtg gacttcatct tcggtgatgc cacagcaatt 180
ttccaaaact gccacatctc agccaaaaaa gggttaccaa atcaaaagaa cacaatcaca 240
gcaca 245

<210> 16301
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700961832H1

<400> 16301

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caacacctct ctctctcacc gcctcttct cctctcacac cgccatgggc gagacttccg 120
ctcccgcgc cgatgccgga atggacgccg tccagcgccg tctcatgttc gaagacgaat 180
gcattttggt ggacgagaat gaccgtgtgg ttggtcatga ttccaaatac aattgtcact 240
tgatgga 247

<210> 16302
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700961833H1

<400> 16302

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 caatagacca gtaagagttg ggcctcatca tctcaaccct tcatcatcca gccagccgaa 120
 cgaatcatcc tccctccatg cttcagcatg tgtggcgggg gatagcgctg cttatcaaag 180
 gacatcgaca ttccggggacg atgttgtgat cgtggctgct taccggactg ctcatcgcaa 240
 agctaaacga ggtggt 256

<210> 16303
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961835H1

<400> 16303

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 gccataaat caacatttgc ttgggggtcta gaagcccgtg taccattttt ggacaaggca 120
 tttatcaata ctgcaatgag tattgaccct gagtcgaaaa tgataaaaag agatgaagga 180
 cgaattgaga agtggattct gaggagagac tttgatgatg aagagcatcc ttatctgcca 240
 aag 243

<210> 16304
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961836H1

<400> 16304

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 cttctctctt gctcttgca gagagagcca tgtccatgca tcgctacctg aggaagatta 120
 ttgggaagct gtttgccaa aactcccat tccactgca ctgcgagagc ttctaaagcc 180
 tctccctgca ggtgttgaca tcgatgaact ccctaagcaa attgatgata cacagtacct 240

<210> 16305
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961837H1

<400> 16305

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ccaaatcggc ggcgacgctc cgctctgtct cgaaaccaca gatctgcagc ggaaccgctg 120
ctccgactat ctccgattga tcttccggta aagtggaccg gagatgccgg ttgccgcttc 180
cgccatttac ttctcaacc tccgcggcga cgttctcatc aaccgctct atcgcgac 238

<210> 16306

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700961838H1

<400> 16306

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tacctcttcc tttgcatgct cttctctctc tccgccactc ccattctcgg ttgtggctac 120
tgtggcaaac cccccaaaaa gcacaagcct ggtaaaacac caaagacacc cacagtaccc 180
gttggttaagc caccagtcac aatccctccc attggttaagc caccagtcac aatccctccc 240
a 241

<210> 16307

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700961839H1

<400> 16307

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atacattcag cagagacctg ttcgtttcat tgaaagggga tgctgtacag caagccagtc 120
ccgcttttga atacttgag aatgctcttg gtaaatttga tgatgggcca ttcttgcttg 180
gtcaattcag tttggtggat attgcctata ttccatttgc tgaaagattc caaattgt 238

<210> 16308

<211> 236

<212> DNA
<213> Glycine max

<223> Clone ID: 700961804H1

<400> 16308

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gtactaaaag atggagttca ttttttacct taaggccttt taaacttgta gtacttctgg 120
acgaaccaa ttatgcctgt ttgaataacg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaggggggc cccagattt tgaaccactt caccgggaa ataaattcgg ggcgggt 236

<210> 16309
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700961762H1

<400> 16309

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cagatgtcac ccacgatgtt gtgtccctcc tctcttctcc tcaaaggac tttcttcttc 120
gaaacaacgg cgatccggtt aaaattgaca gcttgaaggg taagaaactt gggttgtatt 180
tttcggcatc ctggtgtggt ccatgtcaaa catttacgcc aactttgggc gatgtgtaca 240

<210> 16310
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700961763H1

<400> 16310

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tttccaaaaa ttgacataag ggcaatagtt ctctccctag aaagtgatat gctatataag 120
ccgtcctttg gagcaatata tccatcctct tcagtttagc agaagggtgc gtgtattaga 180
ccatagtctt tgtcattgtt gtttcgcaac atcaaagttt agcctttgag catcagcaat 240

c 241

<210> 16311
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961765H1

 <400> 16311

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 gacaataatt gatgctgttt tgggcctcac tcttgatgat tctcccagca atcttgacagc 120
 tgcaaccctt ttgtacgtgt tgaccagtga tggccaagat gatcacctcc ttgaatcacc 180
 tggttctggt caatttctga tgaagttggt aaaaccaatt gtctccacag ctattaaaga 240
 cgaagcacca aaat 254

<210> 16312
 <211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961766H1

 <400> 16312

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 acaatcaaag ctaacaagaa aagtcctaac cggagtaacc ggagtagtga accccggaga 120
 gttaacggca atgctgggtc cctccggcag cggcaagacg accctcttga ccgccctggc 180
 cggaagactc gccggaaaag tctccggcac cataacctac aacggccaaa ccgacccac 240
 cttcgtgaaa cgcaagg 257

<210> 16313
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961768H1

 <400> 16313

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 tgaagtggtg atttatcacg gacggattca gctgccttca gaatatccct tcaaacctcc 120
 ttcgtttatg ttgctcacac ctagtggccg ttttgagacc caaaccaaga tttgcttgag 180

002220"ETT660

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cgcaactg 247

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<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700961772H1

<400> 16314

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tttgtttggg ctgttgcagc aatgattgtt attggtgcac cattttctcg tttggtgagt 120

gccattcttt tatattgggg tatattggtg cttgtcagat cttctcaatc actcatgaca 180

ctatgccttc caatattggg aatccttctg atggtgtggc atctctgctc aaggaaaagc 240

a 241

<210> 16315

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700961773H1

<400> 16315

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cagaagtcgt gactctggt ggtccagctc gacaatggca cgccggcgct gtccaatgag 120

atcaatgatg ccttgaagg aaacgacgtc gctgcaata tctacgcgct caagaaggcc 180

atcatgatcc tctgatcgg cgataccatt ccgcagcgct tcatca 226

<210> 16316

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700961774H1

<400> 16316

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acaaggatgt ggccttaaga gtccattgac ttgtaagtct gatggatttg ctgaggttga 120
 tgggtttgaaa gtgccagata ctacaaatac gtctgtgtat gagagtattg atcttgagaa 180
 atgcagaacc aagtgtttga gagattgttc ctgcatggca tataccaatt ctaatataag 240
 tgg 243

<210> 16317
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961775H1

<400> 16317

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 atgaaaactg gctatggtga gcgttcttcg gaggtaaaat gcgcaagttt taggcttgct 180
 gtggaagcac acaacatccg agcgtttaaa accattcctg aagagtgcgt tgaaccaaca 240
 aa 242

<210> 16318
 <211> 169
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961776H1

<400> 16318

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 ttggtgaaac aagcactagt gctcatcact gtagggggca atgattttgt aaacaactac 120
 ttcttggtgc ccaattcagc aaggtccgc cagtaccac tacctcaat 169

<210> 16319
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961779H1

<400> 16319

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 caacctcgac gacttatcag tcaaagaagt cggagatggc aatcttaact tcgtcttcat 180
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<210> 16320
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961780H1

<400> 16320

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 gatttgagaa tcaacggagc agttgaaccg ttgcctgagg actttgatgc aacagctgta 120
 atcatagatc ccgtgccttt ggcagttgta gacaatggca ttgtcaagga ggaggcgcag 180
 atcattaaag gaaaagagaa aagagaaata gtactgggaa gaaatattca tacctcgtgt 240
 c 241

<210> 16321
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961781H1

<400> 16321

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 ctgtctctgc tggcaccatt ctgccttcta gacaggtgag aaggaagctt gtagaagatt 180
 ggttgccggt tttggttgta tgcaaacata atgtttcacc aatatcacc agcaacaaat 240
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<210> 16322
 <211> 226
 <212> DNA
 <213> Glycine max

<210> 16325
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961786H1

<400> 16325

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acacttcact ctctcttccc aaaacaaaac aaaaaatggc tgaaactcta aacctcccat 120
tgctactctc agtctgcac atcttcacaa cctctctct tacaacctct cgcacgatca 180
caaccccatc acacaccaat gttctcgatg tctcttctc tctgcaccaa gccacacaaa 240
tcctc 245

<210> 16326
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700961787H1

<400> 16326

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tatataattt agagctggac tttcattcaa ggggagcaac atctctactg attaggactg 180
aaactgctgt tttgagaacg ggcttgctt catgaaatgt gtttatttag tattaggg 238

<210> 16327
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700961789H1

<400> 16327

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aaaagagatt gttgtgactc tgcttcttcc gtgtcaagag aagggttgga tggaacacac 120
tctaaaggaa gtgcggattc acttcgtgct ctccgcttga caaccaagct ccgtagacta 180
cataaacttg ccaaggttga ttcagaatcc cataaagaat ttgaacactg gaatgaaatg 240

ctt

243

<210> 16328
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700961792H1

<400> 16328

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aaacgccggt tggggggctg ctatccatgg ttgtctcgag catatgatcc ctgtactgag 120
aggtactcta ccttgtattt caatcgcca gaagttcaga aggcacttca tgccaatgta 180
actgggattc cttattcatg ggcaggatgc aatgatggta atgtggaaaa ttgggggtg 238

<210> 16329
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700961794H1

<400> 16329

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tgagcgtaa gtgctgcaac taatcagatc ccaagacctt ggcctacctt gccatacaga 120
aaaaaaaaa gcaaaaaaaaa agccaagggt tggagccaac aaaaataaac acaaagcaca 180
agtcattgaa agaataatgg ttggaagtgc aacaaagggt gctttcacc tcttggcca 239

<210> 16330
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700961795H1

<400> 16330

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gaaaaagggg gcacaaatat aaagttccaa acaatcgcca ccccaaacca aagcactggt 120
tctttcgctg tgcggatttt ccctcaaat ggcaattgct cgctagtcgc cagcaaggac 180

acacaaaaac aaacagaaga aaagaaaaag aaaatgcaaa acgagagtgt gaatgtga 238

<210> 16331
<211> 221
<212> DNA
<213> Glycine max

<223> Clone ID: 700961796H1

<400> 16331

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tttggtcaca gttagtctt ccatattctc cctctgggcc ttttcttggg cttatttatg 180
tgctcccccc agttatcaat cattggggcg gagtcatgcc c 221

<210> 16332
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700961801H1

<400> 16332

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ttcaattccc ttcttgttgt tcccctagca cggccaattg atcttgcggt gaggggcaat 120
aattaaaaca catgaagcaa aaatcttaac tcaatacaac gcaacacatg catgtgagtt 180
tttgccaaca aacgtgatca ttgccgcaac aacgaagact caatattatc ataggccatt 240
atgttcacca aca 253

<210> 16333
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961803H1

<400> 16333

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tttgtcccaa acaaacttcg ttagtcatta caaatacatt ccctttctct ctctcttctc 120

<400> 16336
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 caccgagaag gtgatcgag agtacatatg gatcgggtgga tcaggaatgg acctgaggag 180
 caaagcaagg actctcccag gaccagttag cgacccttca gagcttccca agtggaacta 240
 tgatgggtcc agcacaggtc g 261

<210> 16337
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961734H1

<400> 16337
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 ccctccctaa caactctctc cacctcaacc ctctcccccac gcgcctctct ctctccctca 180
 cgcgcccttc gcacaactgc cgctccttcg tcgtcaaagc ctctccagc gagcttccgc 240
 tagttggaaa cac 253

<210> 16338
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961735H1

<400> 16338
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 tgtgcgcat cgctgaccac cgcagaggcg ccggcgagc agacgccggc ctctcttct 180
 tcaacggaaa actctctgcc atgtcggagg atgatttccc ctacgaactc cgaatcaccg 240
 cctcc 245

<210> 16339
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700961736H1

<400> 16339

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tttctaggcc atcaacatca ccacttggtg tgaatgtgag aagccaatca ggattcagct 120
tcatgggggtc atcagagcta gatgggatca cacaaggaag tccaagaaa ccaaggaacc 180
atgagatgat gcattcccca aatagtgtcc cttcaatgag catggatgtg aagcccaatg 240
atgaaaacaa tg 252

<210> 16340
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700961737H1

<400> 16340

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aacaaacacg tagcagtctt tgctttcccc ttggcagcc accttatgcc tctcttaaac 120
cttgtcctca aactagctca ttcctttcca gactgttcat tctctttcat tggcacacac 180
aaatccaatg caatcctttt cccaaaaccc cacatcccag ataacatcaa ggcctatagc 240
ataagtgatg g 251

<210> 16341
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961738H1

<400> 16341

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ggaatttctc agcggtttgt tctgatatcc aaaatcctgg ctatgttgat tgccattcaa 180

attgtaataa gtctacatct caagcgtctt tgtttttgtg ttccgactcc aacagtagaa 240
gaaatggt 248

<210> 16342
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961739H1

<400> 16342

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cgtaaagtgt ttctaccgta gcgctcagga aggaggcatt ggctgggtgg gttggttgtg 120
gtggaggtgg ttttgccgat cagttgtggg agagggtagg aaagaaaaaa aaagtggaaa 180
atgagttcag acagccgcag caggagcagg agcagaagca ggagcccaat ggaccgtaag 240
atccgctc 248

<210> 16343
<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: 700961740H1

<400> 16343

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ataatgggaa acccagaatc caatttgcca cccggtttta ggttccacac aacatac 177

<210> 16344
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700961741H1

<400> 16344

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aagaagaaga agaagatgcc ttcttcagaa tcatcaacag gcttctccga aaccatttgt 120

<400> 16347
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 tacgattgat tttctggttt ttgaattaga tttagagggtt ttctgcttat ctatattttc 180
 caggggaaat ttgtcagctg aatggtatat gaatatgtag tttagtttag ttgggtgtgg 239

<210> 16348
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961746H1

<400> 16348
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 cgggttatcc agcaacaccc aaagcttaat tggcttcggg caagcgcaac ccacatctct 180
 tgtgggcctg aaccacctaa ccccatctca gatctctcag atccaatccc aaatccatat 240
 ccagg 245

<210> 16349
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961747H1

<400> 16349
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 cgaaacgcc aatgggttct cgttctcctt ttccttatgg caatcttctc cgccatgacc 180
 actccgtcaa cctccgcgat cgacaccttc atcttcggcg gctgctccca ggccaagtgc 240
 acgc 244

<210> 16350
 <211> 280

<212> DNA
 <213> Glycine max

<223> Clone ID: 700961748H1

<400> 16350

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 atctgatccc tcagatcacc gctacaaaga aggcgacccc gtccctctct acgccaacaa 180
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 accaggtgat ttgaaagaga agaaggaggc gctcggggag 280

<210> 16351
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961749H1

<400> 16351

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 aagagagagc tcaagttcgc tctcgagtct ttctgggatg gcaagagcag cgccgaggat 180
 ttgcagaagg tgtcttctga tctcagggca tccatctgga agcagatggc tgatgctggg 240
 atcaagtaca tccccagcaa cact 264

<210> 16352
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961750H1

<400> 16352

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 cttagtatca ttgatttttg tagtttttct ctaatatgaa ctcatttgga cataggtcta 180
 gatgcttccc atgtgtgctt tgttgctga ttttggtggg tgtaagatgt tgcattctaaa 240

attcatg

247

<210> 16353
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700961751H1

<400> 16353

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ctttcttgca aaaatacggg atcaagttga acgatgcgat tctcgtgag gataagcaca 180
aacctatgta tgaagaattg gctaacaatc ctaatgtgga gtacattgct ggaggtgcta 240
ctcagaattc a 251

<210> 16354
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700961752H1

<400> 16354

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ttcaaccttc agcgcttcga ttttgctctg ctgggcacgt cagaattgga aactcacgc 180
aaccctcggt tccctctttc gttgtcaaag ccgcactgt tgttgcccc aagcacacca 240
ctgttaagc 249

<210> 16355
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700961753H1

<400> 16355

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gctattatgg aacacatttt ggaaggaact cctattggag tctccatgga taatacacgt 180
ttggctcttg cttcaattgg taaactcatg tttgctcaat tctctgagct tgtcaatgat 240
tattaca 247

<210> 16356
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961754H1

<400> 16356

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ggtcggtccc atctccttcg ccatttggtt ccgtgcgtac gttgggggtg taagatctga 180
gcggaggtcc tatgatgctc gtcggatcga acatgatgat agtgtgatga gggctatcga 240
acgcc 245

<210> 16357
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700961756H1

<400> 16357

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ttggttgatc cagtgtgcc agctagacct tctatacgag ataattcccc ttcaccatct 180
caacaccagt tagttgcaa acaggtatgt atgctcattc ttctctttta ttcttgatca 240
a 241

<210> 16358
<211> 246
<212> DNA
<213> Glycine max

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 atacattgtc actcaacatc aagacatggg gctcatctct gaagaagatc atagtaccct 180
 tgagattcca gttattgaca tgcacagatt gcttcgaaaa nccctgggag ttcagaattg 240
 gataagcttc acctggcgtg caaag 265

<210> 16364
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961701H1

<400> 16364

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 aacgctgctt cacgtcttag ggcatcagt gcccgttcgt gcagcagcag caggatacct 120
 gccagtgccca gatttgcaag ttccgttgcc acacaacaat cctcttctgg tttgggtggg 180
 ttatttggat ggctcactgg agaccgatcc agttctttac catctctgga tttcccgctt 240
 ccgggcgtta cacttcccc ttcat 265

<210> 16365
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961702H1

<400> 16365

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 gagaaaactt tatatatgga ataataacaa taattgtaca tagaaaaaga taatggtcgc 180
 atctgtatgt atgtatcata atggctttga atctgaatta tccaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aagaa 255

<210> 16366
 <211> 256
 <212> DNA
 <213> Glycine max

<210> 16369
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961709H1

<400> 16369

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 cgtcaaggcc aagatccagg acaaggaagg aattcccccg gatcagcaac gtctcatctt 180
 cgccggaaag cagctcgagg acggccgtac cctcgccgac tacaacatcc agaacgagtc 240
 aacccttcac cttgt 255

<210> 16370
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961710H1

<400> 16370

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 aagatatggt taagcataac aacgttatcc ccaatgggca cttcaggaaa cactggcaaa 120
 actatgtgaa gacttggttt aatcaaccag cacggaagac cagaaggcgt ttagctcggc 180
 agaagaaggc tgtcaagatt ttccaaggc ctactgctgg acctctcagg ccaattgttc 240
 atggccagac tctgaaatac aa 262

<210> 16371
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961712H1

<400> 16371

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 accctgtttg ccatttcctt ggaagcaagg ccattttatg ggtaccaat ttatctatgg 120

acactgccta tcagactaac gttgttggtt aattagtgca tgcactgca tcttggggcac 180
cataagattg tatataagat aaattatggt gtgttggtga tgttggtgaa gacctggaac 240
ttcacctttc 250

<210> 16372
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700961713H1

<400> 16372

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ggatcggggt gattgagatg cacaccgga gcaggagcaa cggcggcggc ggcggcggtgc 120
tggcgtcgcg gacgagttcg cggtcggtga cggagacggt gaacgggtcg cacaagttcg 180
tgataaaggg atactcgctg gcgaacggga tcggagtcg aaaacacatc gcgagcgaga 240
cgttcacggt 250

<210> 16373
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700961715H1

<400> 16373

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ctttgcagtt aaacggtatt gaaatcttct gctctcataa tgtgttttgt taccatttag 120
tattagagta ggctattggt ttagtttctt aaaattagaa aaatgtcaac taaatttctg 180
aaattgaaat ttattaatag taactcactg ttcgttccat tatggactat gataatagta 240
agttat 246

<210> 16374
<211> 86
<212> DNA
<213> Glycine max

<223> Clone ID: 700961716H1

0953113-032200

<400> 16374
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gtacttggtt cattttctct cgaagc 86

<210> 16375
<211> 81
<212> DNA
<213> Glycine max

<223> Clone ID: 700961718H1

<400> 16375
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agcatatcca tttcaacatg g 81

<210> 16376
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700961719H1

<400> 16376
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ttccttcctt ccttcttctc atttctctca ttaattttct cttctccaaa acaaccacca 120
tttaatecct aaacctaata cttatacttt aaacccttac tcaccaaact gttcatagtt 180
ttgtgatttt tttttccact aaaaattgtg ttatggagct tctgacggtg gtggatgatt 240
tttttgtcac ggcttc 256

<210> 16377
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700961720H1

<400> 16377
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attcggatcc gattagggtc tctcggatcc tctccaccgc ctctccgat tcccaaatcc 120

actccctcct cctgtcttcg ctcgagatcc gagctaagca cgggattcgg atttccgttt 180
ccatcgctct ctcttcacca gttttgcgct taaatggcat caagcgaggg gtttctgacc 240
gatggacaca gag 253

<210> 16378
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700961721H1

<400> 16378

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accacacagc gatgacacac acggtgtacc catcggccaa gcccgccgcg gttaacggcg 120
ccgcccga cccatctttc ccggcgacta aggetcaact ttacggcgcc acacgcccc 180
cctaccgccc tcagccccac caccggcgcc ggagcaagcg ccggtgctgc tgcaccttct 240
tcttctggct gat 253

<210> 16379
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700961723H1

<400> 16379

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agttcttgct acaaatggag atactcatct tggaggtgag gattctgatc aaagaataat 120
ggagtacttc attaaattga tcaagaaaaa gcatggaaag gatattagca aggacaacag 180
agcacttggg aagctgagga gagaggctga gcgtgcaaag agggctctca gcagccagca 240
ccaggtccg 249

<210> 16380
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700961724H1

<400> 16380

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aagctggtac tatttgaaag atgcagtcct tgaagggggt attccattta acaaagcata 120

tggaatgaca gcctttgaat accatggaac ggatccaagg tttaacaagg ttttcaacaa 180

ggggatggct gatcactcta ccattacgat gaagaaaatt cttgagacct acacaggatt 240

taagtccttc 250

<210> 16381

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700961725H1

<400> 16381

ataaaaagtc atggcgaaga ttaacaaatt tgttgaacat taattattcc tgaagcacta 60

atgaagcctt accctttcca tatctatact ttccttgaac tagtcagtta aagctgtgat 120

atatgtgcag cctagtcact ttgatttate ctgtttttgc ttgagaaaga tgtatggtta 180

atattgatta ctgtctatag atatacgata ttcacatcta cctc 224

<210> 16382

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 700961726H1

<400> 16382

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ctgttgcaca tagaaatgta atgtagtttt tgacccaaat agcaagtcac tagttcatta 120

gccaacattt tgtgcaaaat atttttgggt ttggggattc ctccttcaat tcaaagcac 180

aca 183

<210> 16383

<211> 249

<212> DNA

<213> Glycine max

<210> 16386
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961693H1

<400> 16386

agggaggtca atatgctaga gacttggatt caaccaagtc tgtgattgag gattacttca 60
 acagtgttag accatcagat gatggtcttg atgtggtggt gatagacata gatggcatct 120
 ttccaccaaa tccccattct tccaatttat ttaaaagcat taacaatttt gtattagagg 180
 caaagaattt aaagaggatg cttgttttaa gattatacat gaaccttcaa gctggtgggt 240
 ggtccataat tttgttatca ag 262

<210> 16387
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961730H1

<400> 16387

ctcccaggtg agtaagctcc tcatcacata tctaaaacaa acccttccaa aaccaagaca 60
 atacttcaaa gggtcattcc aatggcatcc tcgtcaagtt ttgttcattt ggtaaactta 120
 gggttagttt tagtactact tggttttatt gtccctagaa gtgaagccag gccaagagca 180
 ttctttgtgt ttggacattc gcttgttgac aatggaaaca acaactattt gcaaaccatt 240
 gctcgtg 247

<210> 16388
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961654H1

<400> 16388

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 ctcttgga accaggactg aaacgttcag tgagggttgg ggagacaggt ttcagagaag 120

ttgcagccta ccttcttgac catgatcatt ttgccaatgt accctttact gcccttgtaa 180
 aggtcacaca ttctatTTTT actgttaatg acaggggtcaa tggtagtatg catcataaca 240
 aaaagcaaT aagcaagatt gcat 264

<210> 16389
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961656H1
 <400> 16389

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 caagaggtag atacagcaac gcatgaggt tgtgctttct gctcttgga tgggtactgt 120
 ttctctaaaa cttatTTTT cattcatcag tctttgaaca taaaaatcaa attttcttcc 180
 gtgtctaaat tgcgggaaag ttattataaa tataaaactg aacattttta attttttaat 240
 gctcatttac tccatatcat gtagcagct 269

<210> 16390
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961657H1
 <400> 16390

aaaatgggtt cttctttgtg gactttgtgt ctaattttgg cttcactagc ctcttctgca 60
 ttctgtgcct ttccacggag gccagtggat gttccattcg gcagaaacta cgttccact 120
 tgggcttttg atcacatcaa atacttcaat ggaggttctg agattcaact tcatcttgac 180
 aagtacactg gtactggctt ccagtccaaa gggtcatact tgtttggtca cttcagcatg 240
 aacataaaga tggttcctgg cgattc 266

<210> 16391
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961658H1

<211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961664H1

 <400> 16394

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 tcatatcaac tccaaatgat gaaaaatatt gggttgtttc ttcttgtggt ggtggctact 120
 tttgtggtgg cagccacagc tggtagcttt taccaagact ttgaaataac atgggggtggt 180
 gagcgtgcc aatctatga aaatggaaat cttctcacc tctccctaga cagagcctct 240
 ggctctggct ttcgt 255

<210> 16395
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961667H1

 <400> 16395

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 tctaccgtcc tgagaaaatg ttccaaagga agctctggca tgtcaagatt cctgtatacg 120
 aacaattttc aacgaaactt gatttcgcct ggtggcaatg aatcgtatta tgggtatttt 180
 aacaggagat catacacttc actttatatg ggaactggaa ctgtgggtgg gattacaagt 240
 gctagaatca gggtgccaaa tgt 263

<210> 16396
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961668H1

 <400> 16396

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 ctagagttac tttctcctgc atacaagggt catccacggg tcatggcata cattctaagg 120
 gttctggaat cctatcctcc tgaacgagta actattttca tgccacagct ggtgcagtcg 180

ttgcgacatg catgcaggga aattgggttta agggatatctg cttagagctg ctcagagacg 240
 tgacatattt gcccatattc ttatc 265

<210> 16397
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961669H1

<400> 16397

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 ccagagattg tcaagactct tcaagaaact tgggacaaag ttgatgataa gtatgcagtg 120
 agttcacttg ccttgggttg ggtgattgca ttgtggggct cagttggatt gatctcagca 180
 attgataggc ttcctttgat tcctgggatt cttgagattg taggcattgg atacactggg 240
 tggtttgtat accagaacat agt 263

<210> 16398
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961672H1

<400> 16398

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 agaccactc ttggtggcac gcggattaag acccgcaaac gaaatattgc tgcgccgctg 180
 gaccctgcag cattctcgga tgcagtggc cagatttatt tggataatgc tggatgatctg 240
 gaacttattg ctaagagtat tg 262

<210> 16399
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961673H1

<400> 16399

<400> 16402
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 gtgaattgca gaatcccgtg aaccatcgag tctttgaacg caagttgcgc ccgaagccat 120
 taggccgagg gcacgcctgc ct 142

<210> 16403
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961680H1

<400> 16403
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 agaccgatct tgcacgttca gggaggccaa tgcggttaacc aaatcggttc caagttctgg 120
 gaggtgctct gcgacgagca cggcatcgat cccaccggaa agtacaacga ggaaggcaac 180
 agcagcatcc aactcgagag gatcaatgtg tattacaacg aggcctctgg cggaaggtag 240
 gttccccgtg ccgtgcttat ggatctcg 268

<210> 16404
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961681H1

<400> 16404
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 tgtagcaata tctgcatcct ttgtcattgt attaggagtg attgctgtta gcctacttaa 120
 tgtttctgta aggagaaggc taacattttt ggataatgct ttggaaagca tgtgctcgag 180
 ctcttcaaga tcgggaagtc cagccacagg aaagcttata ctgtttgatt cccagtcctc 240
 acctgattgg atcagcaatc c 261

<210> 16405
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961683H1

<400> 16405

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gccctggaaa gtagaacaga taaatggatg ccacttctat aatgcatttg ttgaagggct   60
tttgtgatca cacacaattg aaatatgctg gttttaggaa gcttgaccaa catgttccta  120
tgacgttgac ctgggaaaat ggttaccaga aaagagatga ggtaaggaa agtatgtggg  180
gtgacctcag tttcaaatcc ccagatgagt tatattcttc aagcgggtga                229
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<210> 16406

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700961684H1

<400> 16406

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tattgaatat ttggttgggt tgaatccctg ggttgaagcg ttgcagacat cacggctatt  120
ctaagagtgt ctcgctctct cattcatgtc ccaactgtac gacggaggac aggttgcggt  180
tttgccacca acccttcgcc gcacgggtggg cgtggtgctt tgccttctga aggtggtagc  240
ccttcagact tgctcttctt a                261
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<210> 16407

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700961685H1

<400> 16407

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ctccttttaa aaggtaatca ctttatgggg gatataccaa agcaactatg ccagttgata  120
gatttaaaca tgctagacct ttctcataac aatttctctg gtgttatccc caaatgctta  180
ggtaaaatgc cttttgagaa taagaacccg aaggacttgt tagcaagatt ttctatcttt  240
gatccagatc tccatatcca t                261
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<210> 16408

<211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961686H1

 <400> 16408

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 ggcaaactct aaggaactga atccatatct gaaggataat ggaagtgggtt acccggaaga 180
 aagtggagct aaagttgggtg ctgaccaact tctatcttct tcccttggtg gggatggagg 240
 agcaagttgg agacttaa 258

<210> 16409
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961688H1

 <400> 16409

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 cggaatgct tgctgggagc tctactgect cgagcacggc atcgggcccg atgggcaa 180
 gccaaagtac aagacagttg gcggtggtga tgatgcttct aatactttct tcagcgagac 240
 tgggtgctgga aagcacgtg 259

<210> 16410
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961690H1

 <400> 16410

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 tcttcttgtt ttatatttgg gcaaggctga agcaaggac aaaatatgca gggcaatata 180

tagcattttg gtgttttttg tctctttatt ttgacctatt tacaaaattc gttgttttgt 180
 gctttgttct gtgttcagag tgatcatggg gcacaaaaaa agttttattt ttgttgatag 240
 agggttttac tcgattgaca cgtcgctgct tctg 274

<210> 16414
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961610H1

<400> 16414

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 acagttacca aggggtgtgga ccatgttttc aatcttgctg ctgatatggg tgggatgggt 120
 tttatccagt ccaaccactc agtcattatg tacaacaaca ccatgattag cttcaacatg 180
 attgaggctg ccaggatcaa tgggtgttaag aggttttttt atgcctctag tgcttgatc 240
 tatectgaat tcaaacagtt ggagacaaat gtga 274

<210> 16415
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961611H1

<400> 16415

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 aagcccaagc caccggttta caagcccaag ccaccggtt acaagaaacc cccttatggt 120
 aagtaccac cagttcaaga caacgatcac ttctaaacca tgcaacaagg catgttaatg 180
 ttaactatct actaaaataa agagggttcag ttaacctact acgtacgttg ctctttttaa 240
 ttctaaatc gtaatttaca actttgtagg gatgag 276

<210> 16416
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961612H1

cacagccata acactaacat gggcactctc cttgctccta aaccatccaa aggtcctaaa 240
 agcagcccaa aaagaactgg acacccattt 270

<210> 16422
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961622H1

<400> 16422

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 catcttcact tccaggctta ttatttgat ctgcccttcc caattgagaa tgccccact 120
 aagaaaattg caagttttaa tgggtgggtg aagatatctg aactgttgaa gtatccagtt 180
 agaggtctcg tctttgaggg tggcgatacg ctggaagatt tatcaaagt tgtttcagat 240
 gcctgtatat gtcttcagaa caacaacat 269

<210> 16423
 <211> 88
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961623H1

<400> 16423

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 gagatcaaat gtcaagcagc tctgattc 88

<210> 16424
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961624H1

<400> 16424

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 aggaaagatg gaacttggtc ttggaattca tggagaacct ggggcagctg tggctgatat 120
 tcagcccgt aatgtggtgg tttctcatgt tctgcagcaa attttgtcca cggaacaaaa 180

002220"EFFE560

aaaaaacttg tcttttaagt tttaactcta agccatggct cttccccctgt tctcctctg 60
 cttcatgctc tgcatttcac tcacacacca tactattctg ttacccttaa cacactcaat 120
 ttcgaaaacc catttcaaca gtaccaccca gcttctcaaa tctacctcca ctcgctcagc 180
 ctcacgcttc cacagaa 197

<210> 16431
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961638H1
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 tccaagcaga taagtccatt ttctacaatt gctcaatgga tgggtatcag gacactcttt 180
 atgtacacac catgcgtcaa ttctatagag attgcacgat ttcaggtacc attgactttg 240
 tgtttggtaa tgcacttgct attttcc 267

<210> 16432
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700961640H1
 <400> 16432

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 atctcaatgg tcaccactg gctcgggttac accctatacc agcgattaag attcaagctc 120
 cctccggggtc cacggccctg gccggtagtc ggtaacctct acgacataaa acccggtccgc 180
 ttccgggtgct tcgcgagtg ggcgcagtct tacggcccca taatatcggt ttgggttcggt 240
 tcgaccctaa acgtcatcgt ttcgaaactc 269

<210> 16433
 <211> 267
 <212> DNA
 <213> Glycine max

<210> 16439
 <211> 238
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700961558H1

<400> 16439

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 tccagtacaa tgatggactt gatcattttc ggctgtctcc agcagaactc cgtgctgagt 120
 tcacaaggcg caatgcagtc gctgtgtttg ccttccagct ccggatcctg gtttcacaat 180
 ggccaagcgtt tgctaactca ctgacacccg nagggcggctt cttgagatgg gttataag 238

<210> 16440
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961560H1

<400> 16440

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 atgtgtaagc atgattcaac catgactttg tctgcactaa ttgaagcaag gaaacgggaa 180
 gaaagcttga agaaggcagt aggagtcaca gaggcataatg aagcgcagaa aaaatcaac 239

<210> 16441
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961562H1

<400> 16441

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 acacacaaaa aaaaaaaaaac ttggcaaagg atagaacaat tgggtgtggct ctggattttc 120
 ccaaaagcag caagaatgct ctgaaatggg cacttgagaa cttagccgat aaaggtgacc 180
 ccatttatgt cattcacatt aactccaact ctctagacga gtcccgaac aagctatgg 239

<210> 16442
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961564H1

 <400> 16442

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 attcaatggt gcatgttatt gtatataaaa aaaatgggtcc ccatatacgt gacacgtgta 120
 tgccctattac gttgatttac tttcttgtat aaactaatgt aactaaaact atgattattg 180
 ttgggttggtt tgtgctttaa tttgttgagc actactccat tgtttgtgat cacaaaag 238

<210> 16443
 <211> 233
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961567H1

 <400> 16443

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 actttttgcgc tttgggggttc ccttggttgc tgttatcacc ttctgttatg ctacttctac 120
 tgctgcagca acaactcgag tctcagggga tgtagagctg ccaaagacaa acctaaatgg 180
 gcatcatgaa gaagcaaaat tcggatTTTT tcatcataaa ccaatattca aga 233

<210> 16444
 <211> 228
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961568H1

 <400> 16444

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 gaagattctc tgcaaattcc ctcaaatecg tgacccggtg tacgccgaga agaataacat 180
 cgtgaccatc gcggtggttt gccataaccc tgagaagctc agggacaa 228

<210> 16445
 <211> 235
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961569H1

 <400> 16445

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 gttttttctc taggtttttc gcgatggcgt cgaagcgaat tttgaaggag cttaaggatt 120
 tgcagaagga tcctccaaca tcttgcaagt ccggtcctgt tcatgaagat atgtttcatt 180
 ggcaagctac aattatgggt cctccagaca gtccctatgc tggaggtgtt ttctt 235

<210> 16446
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961570H1

 <400> 16446

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 ggaagaagct gctgccatgg ctctctcatc cccatccttg gctggcaagg ccgtgaagct 120
 gggcccatca gccccgctag tgggaagggt gagcatgagg aagaccgtca ccaagcaggt 180
 ctcttcagga agcccatggt acggcccaga ccgagtcaag tacttgggcc cattctctg 239

<210> 16447
 <211> 55
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961573H1

 <400> 16447

 cgcaaggagg tgcagaatgg ctgatgcagg tgcagaagga gcatcttctt ccaca 55

<210> 16448
 <211> 235
 <212> DNA
 <213> Glycine max

<210> 16458
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961591H1

<400> 16458

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 tcagattttc tcgcttatgg aatcaaactc gtatcccaag atgtcttgcc tgtcttgact 120
 gatgcattcg atggaaatat tttgagcctt gagtttgata attttgctga agtgcacaaa 180
 ctctatgaag gtggagttac actacctaca aactttctta gcaagatcgc cccta 235

<210> 16459
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961592H1

<400> 16459

aagaagagga atgatgcaa ggggtcaaag atggcgatgc gtttggaact gtattgatcg 60
 cccgagtcag cagctgcgtc tattgcacga gggccctgac accgtagaag agcttctgga 120
 gaggcatttc gttaaaaaca aaaacgaaaa ccagttggag aatcagaggc aactcaccag 180
 cactcgccgc gaacgctctg tctctaccgt gacattcttc gggccaccgc cct 233

<210> 16460
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961594H1

<400> 16460

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 cttctccgcc accgtgtccg ctcagggtc tccaacaccg gctccggatg ccggagcagc 180
 tggatcagtc tcgagctctg cctccgtcat cggtgctgcg gttgtgttgt ccat 234

<210> 16461
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961595H1

<400> 16461

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 gccactgcca ttggagttct ttctataacc ctcttctttt ggtttttgta taatcccttc 120
 aaatttgcac taggtaaaaa agaggctccc aaagttgcag gtgcatggcc aatacttggt 180
 cacctaccac tattgagtgg ttcagagaca cctgatgtag gtttggg 227

<210> 16462
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961596H1

<400> 16462

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 ttggtagaac ctttggtctt agtgagtcaa gttttatgtc tgaattagac gatcaaattc 180
 ctactgcctt cgatcctttt gctgatgcaa atgctgatga ctcggtgtgt ggg 233

<210> 16463
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961601H1

<400> 16463

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 tctactgagtc gttgtcttgc ggaggataat ggacttggtta tgaacttcta caaggaatca 120
 tgccctcagg ctgaagacat catcaaagaa caagtcaagc ttctctacaa gcgccacaag 180
 aacactgctt tctcctgggt cagaaacatc ttccatgact gtgctgttca gagttgtgat 240

gcttcactgt tgctggactc cacaagaagg agcttg

276

<210> 16464
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: 700961602H1

<400> 16464

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tttccttcac atgtagtctc tcccttgcta tgtccagtaa ccagttggag cagtttgctt 120
cggaggaaga agtggtttcaa ctattccaag cgtggcagaa ggagcataag cgtgaatatg 180
gcaaccaaga ggag 194

<210> 16465
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700961556H1

<400> 16465

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ggccatcgac gtcgctcaag tccatctatc caatttccga tcaccattat ggaatggatc 120
acgagcgta cgtttctacc ctcgccacca agggagttgg tcacctcggt cgtaagggca 180
ctgggtggacg atcctccgtc agtggcatta ttgctacagt atttggggca actggattct 240
ta 242

<210> 16466
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700961603H1

<400> 16466

gtcaaagata gatcctgggtg atgaatctgg tagcacactg gacagcgta agggagaaat 60
tgagcttcgt catgtgagct tcaagtatcc ttctaggcct gatatacaga tttttcgaga 120

aaacaaatca aagccatggc cacctccaac ttctctattg ttctctccgt ctccctagcc 60
 ttcttttttg tgccacttac caaggcacac tcgaccgata ccgtttcttt caccttcaac 120
 aagttccacc cagtccaacc aaacattatg ccccaaaaag atgctagtat ttcatectct 180
 ggggtgttac aactcaccaa agttggcagc aacggcgtgc ccacctcggg atctctcggg 240
 cgtg 244

<210> 16473
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961513H1

<400> 16473

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 tcggccgagg gaaccggccg gtccggttca ggttacgac cccaaaccca aacccaaagc 120
 ggcggaggcg gaaggcgca acatcgtttt gcagccgcgg ttgatgcaact ctcagatcct 180
 acggttcgga tcgagccggg gtgcttatca agactcgcaa ggagggtgac catgatgacg 240
 tgtcac 246

<210> 16474
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961514H1

<400> 16474

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 tcactagcct cttctgcatt ctgtgccttt ccacggaggc cagtggatgt tccattcggc 120
 agaaactacg ttcccacttg ggcttttgat cacatcaaact atttcaatgg aggttctgag 180
 attcaacttc atcttgacaa gtacactggg actggcttcc agtccaaagg gtcatacttg 240
 tttggt 246

<210> 16475
 <211> 116
 <212> DNA

<213> Glycine max

<223> Clone ID: 700961515H1

<400> 16475

ggttccgata cgattggctc gtcttcagtg tgaaattcct cgctcatcgc gttcgggaatc 60

ttcctctctt gttatccagc aaccgggttg gcggcgcggc ttctgacaca acatac 116

<210> 16476

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700961517H1

<400> 16476

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ttgtgctttg ctttctcacc ttcttcttca tttctttcat catcatcatc atcacaatat 120

aaagttcgct cctttctcag ttttcaccca taccagatg ggtaacagca ccatctcgga 180

tctgtgtccc tcctttaagt gaaaaagggt caatctttgg tctctgaggc tgttgggttt 240

tcgtcat 247

<210> 16477

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700961519H1

<400> 16477

gcgtttacag cactacagtt ccacacaaca aacaaaagaa aatataaata aatagagaac 60

acgcgaaaca cctgattccc ctagccagac gcagcagagt cagagagaga gattcactga 120

aacagagcga gtaagaaaat acataaacta atccagaaaa tgagcagcgg cgctggaaaag 180

gtggtgtgtg tcaccggcgc ttccggttac attgcttctt ggatagtcaa attcctcctc 240

aatcgcg 247

<210> 16478

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700961522H1

<400> 16478

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 ttgtagtggc attgctcttc tgactagtaa aattgctgaa aattactgag gtaaatggat 120
 tgtggtcaca atcccttaca ctatcgtttc actttgatca gaaaaaaaaac aaaaacacta 180
 agtgacacga gcagtcatat tcatcactgt gccacgtttt actgattgca ttggtagtag 240
 gtatct 246

<210> 16479

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700961523H1

<400> 16479

taacagagggc tccaatgtaa ttaaagggaa aggtcctagt ggtggtaggg gtgagaaacc 60
 aaaagaagag tttggaagtg gggttcaaga acccgagaag aacaagttgg ttttcttgag 120
 ggaagttctt ataattttga tcttgaggat ttgctgagag cttcggctga agttctgggg 180
 aagggtagtt atggtactgc atataaggcc atactggagg agtcaatgac tgttgtggtg 240
 aaaag 245

<210> 16480

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700961524H1

<400> 16480

gtaagagctc aattattgca cttatacaaa gattctatga tccaacatct ggtcgggtca 60
 tgattgatgg caaggacatc aggaaatata acctcaagtc cttagaagg cacatttctg 120
 tggtacctca ggagccatgc ttgtttgcta ctactattta tgaaaacatc gcttatgggc 180
 atgagtcagc cactgaagct gagataattg tggctgcaac tcttgccaat gcacacaagt 240

tcatat 246

<210> 16481
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961525H1

<400> 16481

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tcgagatatt ctaaacttgt actgaaaaat atggagggaa aagaagagga cgtaagagtt 120

ggagccaaca ggtacggaga gaggcagcca atagggaccg ctgctcaggc taaagactac 180

agagagccac cgtcggcgcc tctcttcgaa ccgggagagt tgatcatgtg gtctttctat 240

agggc 245

<210> 16482
<211> 246
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700961527H1

<400> 16482

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agcccaaagc taaggctcgc cgccacaacc accatcgtct gcagcaccac caacaacaac 180

aacaacaaca acgtgtctc cgacctgaag gcgttctcgc ccgcgctggc cctctctctc 240

atctc 246

<210> 16483
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 700961528H1

<400> 16483

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caactttctg ggacccttta tgttttgcaa gaccttcttc tccaagatct gtacaattct 120
 tactaccaaa atactttata gatataataa tgaataatat gtatatcctg caactgcatc 180
 aatccacaca aca 193

<210> 16484
 <211> 104
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961533H1
 <400> 16484

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 ccttcgtaga tctcaatcga agccctcaat ttccacacaa cata 104

<210> 16485
 <211> 75
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961534H1
 <400> 16485

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 tccaacaact tctca 75

<210> 16486
 <211> 197
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961536H1
 <400> 16486

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 cacatatctc catcccaaga acaaattctg gccactgtc catttgctgg agcagtacag 120
 gacaccgcca cctccgctc ccatgacatc gacatgctgc cgttgccgga ctccgtcccc 180
 gaagacgtat tccacac 197

<210> 16487
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961537H1

<400> 16487

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 gtcgcgccca atttccatgg tttgtagatt aaatcttaaa gcagtaagtc atcatggata 120
 aatcagagca gactcagcag caacatcagc atgggatggg cgttgccaca ggtgctagcc 180
 aaatggccta ttcttctcac taccgcactg ctcccatggt ggcttctggc acgcctgctg 240
 tag 243

<210> 16488
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961538H1

<400> 16488

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 gcattctatt attatatatg gcttcttcac ctctctcaga aaacaaaaac ctagagggag 120
 tagctggtgg tgccggagag aaaccattc cacttggtga gaacgttctg cagaagcatg 180
 ctgcattctt tgacttgaat aaagatgggt tcatctaccc atgggagact tttaaagggt 240
 t 241

<210> 16489
 <211> 97
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700961539H1

<400> 16489

gttcgataac aataagaaca ttgtcgtgag atactanctt caaataaccg gtggagatcc 60
 acggtgttat cctagtaccg gttccgcagt tttgctt 97

<210> 16490
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700961541H1

<400> 16490

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tcccccaaca ccactaccaa caacaaggga attccaacaa caacaacatg ggagagaaca 120
aaccatcaga ggtaaggat ttccagatag tggtagctgc tgagaaggac gagagcaaga 180
agcagcaaca gttggacaaa acgggtgttt ccaacaagga caggcacacc aaggttgagg 240
gcagg 245

<210> 16491
<211> 117
<212> DNA
<213> Glycine max

<223> Clone ID: 700961542H1

<400> 16491

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ctcaacatca ctcttcttct ccaatctcca ttgtctcaac cgtcaacctg tctcttc 117

<210> 16492
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700961544H1

<400> 16492

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tataacctcaa ttaactaatg ttttattgga ccataatgct cgttcaactg gttccaaatt 120
caatattaaa ggagttgcta ttggaaaccc acttttgaga cttgaccggg atgcacctgc 180
aatattatgaa tacttctggg cacatggaat gatttctgat gaaattggcc ttgccattat 240

<210> 16493

<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: 700961547H1

<400> 16493

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tgacatctac ctcaaattac ttgtcaagct ttatcgattc gttgttcgaa g 111

<210> 16494
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700961505H1

<400> 16494

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tttctctctc tgtctttcgc actttcattc tctcttaaaa atctaaatcc cttttgggtct 120
tcattctttcc ctctcatcca ggtatggctt cgatacgcat cctgaagggtg ctcaaggatt 180
tgcagaagga tcctcctacg tcatgcagcg caggctctgt agctgaagac atgtttcact 240
ggcaag 246

<210> 16495
<211> 165
<212> DNA
<213> Glycine max

<223> Clone ID: 700961549H1

<400> 16495

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ttgaaggaca gtatgttggc cataacgtct accccctgg ctctttctat caacaaccgt 120
ttggatcgcc tggttattat ccagcttctc tatcatatgg agagt 165

<210> 16496
<211> 115
<212> DNA
<213> Glycine max

<223> Clone ID: 700961550H1

<400> 16496

ggctagtaaa gcacggcaag gtgtacaaaa cgctcggata gaaggagaag aggttccaga 60
tcttcaagga caacctgcga ttcacgcgac accacaactc ccaagaggac cgaat 115

<210> 16497

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700961553H1

<400> 16497

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caatagactg cttacctaca tcttcagaaa aagcacataa tgaaacaacc ccttcgttct 120
ctcgttggac cataatcgat tattccagag cctacagtgc gggagatata acaccactca 180
tggctgcagc ccgatttata gctgctatta atgaatcttc aaaacctcca ctccgaatgg 240
gattctttat 250

<210> 16498

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700961555H1

<400> 16498

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gagattggtc ctctctatat tgategcaca atgtatcaga ggaaatatag gaagagacgt 120
agtggggtcc agcacccatg tgccctctc ctgtctccac cagctgctgc cgctcaatga 180
tgagaccctt gttcccttcc aagttcaagt tcaattttcca cacaaa 226

<210> 16499

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700961468H1

002250-ETTESO

<223> Clone ID: 700961474H1

<400> 16505

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cggtcttctg tggaggcaaa aatacaagag cagctaaatg tgcggatgta ttctatttga 120
atgtagatag agctccgtca tctgtaaaca tttlacaata tattcttttg tttggcaatc 180
attatagggtg ttattaaaat tttgttggca tgtatgcccc aaattaagca cattgagtaa 240
ga 242

<210> 16506

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700961475H1

<400> 16506

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taattggcgt caggagtcca tcaaatggag accttctgag ttaaagccac tcagggtcctt 120
catgctggaa gacgtatcga gagatagaag ggcagaattg cttgcaaaat ggagatctaa 180
agggtggtgtc tttttgattg gttatgctgc tttccgaaat ttgtcttttg ggaagcatgt 240
gaaag 245

<210> 16507

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700961476H1

<400> 16507

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tgccggcgac gcatcattca aatttctgcc ctatcaactt tcgatggttag gatagtggcc 120
taccatggtg gtgacgggtg acggagaatt agggttcgat tccggagagg gagcctgaga 180
aacggctacc acatccaagg aaggcagcag gcgcgcaaata tacccaatcc tgacacgggg 240
aggtag 246

<210> 16508
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961477H1

<400> 16508

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 cttgaagagg cagctgatag gaggctcatg ggccttatat gtgagacaaa gggaaatcat 120
 gaaacagctc ttgagcatct tgttttagca agcatggcaa tggtaagtaa cgaccaagaa 180
 gcagaagtgg catctgttga ctgcagcatt ggagacacat acttatcctt gtctcgatat 240
 gatgagg 247

<210> 16509
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961480H1

<400> 16509

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 tccaccatct cacaagcttt tgcgcccaag ccttcctcct ccttcacgcg ccaagaggac 120
 tcctttgagc tctccttgga ggcttatgga atcaaacc tcaaagcatc tgggagcggtt 180
 tctcacttcg ttgatgatca cggcgcttac aaggtagaaa ttgtggctat ggagcattat 240
 gaggc 244

<210> 16510
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961481H1

<400> 16510

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<213> Glycine max
 <223> Clone ID: 700961489H1
 <400> 16516
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 gccacccaat gtaatgttaa tgcagcagat ccctaggcaa aatcctgagt attcgttggt 120
 ggagactagt ccaccactgg cggtctgttt gcgctataga ggaggaggag gaggggacaa 180
 gatatccacc acctacgact tagtggaaca gatgaattac ttgtacgtga atgtcgtcaa 240
 ggct 244

<210> 16517
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961490H1
 <400> 16517
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 aaggaaaagg ttcacatcag tattgtggtc attggccatg tgcactctgg gaaatccact 120
 accactggtc aaccgattta caagcttgga ggcattgaca agcgtgttat tgagaggttt 180
 gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaa 239

<210> 16518
 <211> 218
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961492H1
 <400> 16518
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 tggcactgct gcaagtgcaa tgccaagaag gcgcagtgcc aagccaccat gtttcaacat 120
 tcaacagaag ccttttgcct gcgactgttc tctttggact tggttcttct gcttaccagg 180
 cagaaggagc agcaagtgta gatgggagag gaccaagc 218

<210> 16519

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246

<210> 16522
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700961501H1

<400> 16522

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gacgagcgag ggtgcgacta tgacctgcga cttcgatctc cggcaatccg cgtggagggtt 120
cgtccagtaa aacggcgccg tatagcggga tctgcgacgc tgggcggagt ggcaatggag 180
ggcgagaacg cgagcaacaa ggtgatcgag ttgacgaacg agatagccag catctccgat 240
tacaggcctc cggt 254

<210> 16523
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700961502H1

<400> 16523

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gccaaactgat ggctggattc aatgcaccgc tagcgctacc atctccgtca tatggaaatc 120
atacaaccat tctcagcata gacgggtggtg gtatcagggg cattattcct gcgactgttc 180
ttgaatactt agacaaggct cttaaggcta aggatccaac aacatcttta gccattatt 240
ttgatgtgat 250

<210> 16524
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700961504H1

<400> 16524

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ctgttccagt tttgggtcaaa ccctacaaat ccattctctc togagcattc ctcttcagct 120
 cccctgcctg aacatctcat tctcacaata ctcaatttct tagatccgtc acgtttttct 180
 ctactacttc tcttcgtaat ttttaattcac gctcaaccca tctcaacgat gctggctcta 240
 tcgactctc 249

<210> 16525
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961467H1

<400> 16525

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 ttctccttct ccacacaa 138

<210> 16526
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961430H1

<400> 16526

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 agatccagcc caattaatct ctctctctag aatgtcttcc cagcgcgcag atctagagtg 180
 ccggatcttc ccggtcgccc gaaatcgacc acttcgaccg gctaccggac tcgctcctcc 240
 ttttggtttt caac 254

<210> 16527
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961431H1

<400> 16527

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700961439H1
 <400> 16533
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 gaagaagggt ttggaatccg tcaaggagct cgtgaacgac gcgaacttcg actgctcctc 180
 caccgggttc tccctccagg ccatggactc cagccacgtc gccctcgtcg ctctctcctc 240
 ccgatccgag ggctt 255

<210> 16534
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961440H1
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 gcctcaccac cgacactccc tatctcctcc caatccagcg cctccggcgg ctccgcctcg 120
 cagtcccagc ctccgatcgc aacgccggcg ttccgcgcct tcatctcccg catctcctcg 180
 tccctccgtc acgcctttgc gcagcgccgc ccgtgggcga gctcatcgac cggagctcca 240
 tgtcccgacc tgaca 255

<210> 16535
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961441H1
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 attggtttct gaaggtataa ttacaagaca agacataaaa gaagccaatt ctggtaacgg 180
 gattagagtt catagtattg gtttaccagc atattgctta gtccaggac tctagcgctc 240

tgcaaaatta a

251

<210> 16536
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700961442H1

<400> 16536

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attaattggc tactcatgat cctctgtatt actgtgacca ttggatttag ggacacaaaa 120
cacatgggaa atgcttcagg gtttagcagtg atgaccgtga tgctgggtgac aacatgcctt 180
acttcttttag taattgtagt ttgttggcag aaacccccta taatagctct ttgcttctg 240
ttgttctt 248

<210> 16537
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700961443H1

<400> 16537

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gagaaagttt cagctggctg aatgatttgt tagatggttt gccgagatga agacagcata 120
caactagagc atgtattggt caaacgggta tcatcagctg aagacagttt tgatagagcg 180
ctacaatcat tttcctcatg agtgctgatg attgaatttc tttcaagagt tgaatggtgt 240
gagg 244

<210> 16538
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700961445H1

<400> 16538

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gcttcgcagc ctgaaatcaa aatttgtctc tttaacgaat cagaatggta aagttacctt 120
 tggagatttg ccgcctttga tggtagcgct aaacgcattc agagatatgt acagtgagga 180
 tgagattagg ggtatcttgg gtgaatcagg cactgatttt accaatgaca ttgattttga 240
 agcc 244

<210> 16539
 <211> 220
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700961446H1

<400> 16539

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 cgtcgtgttg tgtgagatca aaccctagtt tttagacact gcaacagtag cagcagcaac 120
 catggcgagt aggaggtgcc tgcgagcggt aactcaaacg agaccgtttc tcttccgaaa 180
 agcatcctct cttcgtcac tcgcgtgct tccatttccc 220

<210> 16540
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961449H1

<400> 16540

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 tgaacacaaa ctaaaccatg acaagcgatg aatgagatta cctaccctct ttgcccacgt 120
 aataccgcg tgcacccaaa cgtgttatac cccaaagtcg ccaactgttg acttcctctt 180
 cccatttttc actattcaca gtccaaacaa cacacctaaa ccagccaacc agtcacgcac 240
 actaactctt accca 255

<210> 16541
 <211> 122
 <212> DNA
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<213> Glycine max

<223> Clone ID: 700961462H1

<400> 16547

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gtagcttttc taacaacaaa ggttggtttta tctgatgaca ctgtgccaat tcccgcgaac 120
aaagcacaat taggtgaatg gtataatact aatgtggggc ctttagatca aagaaagagc 180
actgtggacc cagcattggg gactgctgaa gaaggcgcta aggttgtaaa ggtgatgcaa 240
gatgg 245

<210> 16548

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700961463H1

<400> 16548

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agctcctgcc tgtatacttc acatggccta atcccacagt cgcacactct tccaccctgc 120
catcaccaat catcaacaca acgcccatta ttatttaaaa atccttaata tattattatt 180
cttcgtccat cgctttttct tgaagactac ttcaccttc ttattagttt ctttttattt 240
caatcttt 248

<210> 16549

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700961464H1

<400> 16549

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caccattccc tccaacctct ccaaccccg cgcctccgc cccaaactaa gcccaaagct 120
caggtccgcc gccacaacca ccacgtctg cagcaccacc aacaacaacc acaacaacaa 180
cgtgtcctcc gacctgaagg cgttctccgc cgcgtggcc ctctctcca tctactctc 240

cgc

243

<210> 16550
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700961465H1

<400> 16550

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aaaaattaag ggcaccacat tatatggatc acgaacatta ttcttctca ctgatcaagg 120
gacattaaag ccattagcta ttgagctcac tagaccacct atggatggaa atccacaatg 180
gaaacaagtc ttccaacctt cttgtgatc aaccaaactc tggctttgga ggcttgctaa 240
agctcatgt 249

<210> 16551
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700961466H1

<400> 16551

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agtctctccc ctcttgctt caagaatatt cttcttcttc tgtgttcatt gcaagtgcatt 120
cagcttcaga atcagacgtt gatctgtag aatttcctt aaatttagaa tacttgagg 180
ctgagttttt cttatttggt tccttggtc atggattgga tgtggttgct ccaaatttaa 240
gtgaggagg a 251

<210> 16552
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700961428H1

<400> 16552

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0022E0"EFFE560

ggagagttac tgtgaagagt tgaagaaagc tttgaggcaa gcaatgctca ccaaagaaac 180
cacattttca gaaaagctca atagccctcc ccagagagga acaccctttg at 232

<210> 16559
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700961387H1

<400> 16559

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caaagcaaca ctttccatgt ccatgtctct gtctctcctt cgtatcttct cttcgcccca 120
cctttccacc tctctcttct ttccaaactcc aactctttct tccctctgcc cttctttcct 180
ttccaaatta ccaaagccc cctctccctt cattgtttta tgccacaggg acg 233

<210> 16560
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700961390H1

<400> 16560

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aagcagatca agcgcgaggt gtcggtgatg agactcgtcc gccatcccca catcggtgaa 120
ctcaaggaag tcatggccac aaagggaaaa atcttctctg tcatggaata cgttaaaggc 180
ggtgaactct tcgcaaagt caacaaagga aaactcaccg aagatctcgc 230

<210> 16561
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700961391H1

<400> 16561

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tcattctgtc tctattcctt ctctctttct cctgcaacaa caaccattta agggaattcg 120

ggatgcgttt ctgcggtctg ttgattgtgt tggtttgttg agtgtggcgt taacgtaatt 180
tggttttgag tgaagatgat tttgtgatgt ggttgagtga gtggtttttg 230

<210> 16562
<211> 61
<212> DNA
<213> Glycine max

<223> Clone ID: 700961393H1

<400> 16562

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g 61

<210> 16563
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700961394H1

<400> 16563

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cccttgcagc atccactgct gctgcttccc ttggcatgtc agaaatgctt ggaaacccca 120
tcaacctcag tggtgccaca aggccagctc catctgcctc tagccctgcc tcttcaaga 180
ctgtggctct tttctccaaa aagaaggctg cacctccaaa aaaagctgca gctgct 236

<210> 16564
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700961395H1

<400> 16564

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tctggagaag cgctttctcag cgccaccacc aacaacaaac tgatggggaa tcatgccaag 120
aactccaatg atttcggtag acgtgtcgcg tttccattcg acgacaactc aacgaacgca 180
ttcatttacc tggattctat gcatgcgaca atgtttaatg tgctgtcata gacga 235

<210> 16565
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700961401H1

<400> 16565

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aaagcatttt ctaaatttga gaacacttca gaagctctag aggcagctac tttacttatt 120
gatggaaaag ctagcaaggg tctgcgcaag ttcctgcgtg ttcattgtga aaatgaaaca 180
ctaggtgtgg cagattcaaa gcttggggaat gtgatcaagg agaaattgaa aattgactgt 240
attcacaaca atgcagttat g 261

<210> 16566
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700961402H1

<400> 16566

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tccggagggc cttttatggc tatctgatat tgatcaagtg gcacgtctac gccacacacc 120
caccatctac attttccatg caaaacacaa ccctgatata ttaattgagc ggatgagaaa 180
ctctcttagc aagattttgg ttcactacta tccaatagcc ggccgattgc gcaggataga 240
agggcgtggt cgattgga 258

<210> 16567
<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: 700961407H1

<400> 16567

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aaatgtactt ggaagaaatc aaggagcatg aactaggtaa tgcctcagaa agcaccagct 120

caaaggat

128

<210> 16568
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700961408H1

<400> 16568

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agtgcaactc caagaagcgc agtgccaagc caccatgttt caacattcaa cagaagcctt 120
tttccctcca cttttctctt tggatttggg tcttctgctt accaggcaga aggagcagca 180
agtgtagatg ggagaggact aagcatatgg gacacctaca ctagacagca tactgaaaag 240
at ttgggatc atagcaccgg t 261

<210> 16569
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700961409H1

<400> 16569

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cactccgtgg aatgactgct ctcgtcacag gagccacccg aggcataagg catgccattg 120
ttgaagaatt ggagactttt ggagcaactg ttcatatatg tgcacgtaat caagatgata 180
ttgataagtg tttagaagag tggaaaaacg agggacttaa tgtgactggc tcagtatgtg 240
atttacaatg ttctgacca 259

<210> 16570
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700961411H1

<400> 16570

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acaccaccac ctattctaac agtaaaaccc tcccaaaacc cacactgtgc taaacccctt 120
 ttagcactct gtttctctgc ttaaccatgt cccaatcact gaagctaatac caggaatacg 180
 cctccaaccc caaactctgg ttggtcattg gaataggagt tgccggaatc gtggttcttg 240
 tggagaca 248

<210> 16574
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961419H1
 <400> 16574

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 gtttctctca tctcgggtggg ttggagtggcc atagtgtgtg tggtggccgt caacaagaag 180
 ggcgaggatc ccacacttca atctcaacaa aaatcagtag gggttatctg ccaaaacact 240
 gatgaccaga agctctg 257

<210> 16575
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700961422H1
 <400> 16575

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 acatggattt tgaactgaga agagcgagag agaagctaga gaaagagcag agggagagga 120
 aggaaagagc aagactgaaa cttcagaagg aaaagaaggc caaagaagag gctcagaagc 180
 aaaaggacag ccacgaagc tgttcaaaga tctcgtcgta ttgatgccgc tcaagctcaa 240
 ctcaaggctg cccaaca 257

<210> 16576
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961423H1

<400> 16576

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acttctaccc caagcacacg caatggagcc gtggacagtc aagtcaaate caatccacga 120
aatcatttga tcgatggaca gcatcggtgt ggtaaaggcc gtaatgccag aggaatcatt 180
accgcagggc atagagggggg aggtcataag cgtctatacc gtaaaattga ttttcgacgg 240
aatgaaaaaa aacata 256

<210> 16577

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 700961424H1

<400> 16577

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cttctctgca cctccttctc cccagagaga ccttcagatc gacgcgtcct cgttttgctc 120
gatgacttcg ccatcaaate ctctcattct ctcttcttca actccctcaa atctcgcggc 180
ttcgatctcc aattccacac aac 203

<210> 16578

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700961425H1

<400> 16578

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gtcgtcgagc acagttggtc aagtcacaa atgcaaagct gcggtttcat gggaggcagg 120
gaagccactt gtgattgaag aagtagaggt ggcaccacca caagctggtg aagtgcgttt 180
gaagatctc tacacctctc tttgccacac tgatgtttac ttctgggaag ccaagggcca 240
aactccattg tttc 254

<210> 16579

<211> 116
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961426H1

 <400> 16579

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 caattttatt ttgcttctct tccttggaga agagttttgc cttccacaca acatac 116

<210> 16580
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961427H1

 <400> 16580

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 cagctcttcg atcgctttaa ggcttcgttt atcaggaacg actttgatac ctgttccaat 180
 ctcttttctc agctaaaggt gttacttaca ggtttcagaa gccttccacc gttgtttgca 240
 gatacaccta 250

<210> 16581
 <211> 57
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961377H1

 <400> 16581

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<210> 16582
 <211> 214
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961328H1

 <400> 16582

<400> 16594
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 ggctgcgacg gtgctcctgt tcacgggtctt tgccgtttcc tccgccctag acatgtcgat 120
 aatctcgtac gacagcgccc acgcggaaca ggccggccacg ttgcgcaccg aggaggagct 180
 gatgtccatg tacgagcagt ggctcgtgaa gcacgggaag gtgtacaacg cgctcggcga 240
 gaag 244

<210> 16595
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961349H1

<400> 16595
 gaaaaggaaa gaaaactctc aaaaaactat tatagcaatg gcagaacaaa accaaaacca 60
 aacaactgaa gctggaaggc accaagaggt tggtcacaag agccttctcc agagtgatgc 120
 tctttaccag tatattctgg agacaagtgt ctaccaaga gaacctgaat ccatgaaaga 180
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<223> Clone ID: 700961350H1

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 gtgacttggt ggggtctgtg tcctgggctt aactgtcat tagggattaa gtgtgtggct 180
 tacaccatat gtatgggggtg aagtctgtct tggaatcaat ggaggatata tgg 233

<210> 16597
 <211> 91
 <212> DNA
 <213> Glycine max

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 catttgctaa cctttttcatg aatcctttct gcttttagaaa atactgagca atcactgaat 180
 tggagtactic gcctaaagat agctctcggt tctgccaggg gattggctta cttgca 236

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<223> Clone ID: 700961362H1

<400> 16601

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<223> Clone ID: 700961365H1

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 taaaatgtct gagggaaatg cagggaaagg aaagagaatc gccatcattg gcgtctcagc 180
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<223> Clone ID: 700961367H1

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002222-032200

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 gggaagggtgt ttgtgaactt tttgagtttt tggagttgta attttcagga aagagatgct 180
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<223> Clone ID: 700961368H1

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 atctcaagag ggggtgaaat ggcaggttct tgaagactgc tgcatatgga cactttggca 180
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<223> Clone ID: 700961369H1

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 a 121

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<223> Clone ID: 700961370H1

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 <213> Glycine max

<223> Clone ID: 700961278H1

<400> 16613

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 ctcgcactcc gattccgacg cgggctccaa aaacaagcgc cgcaaccccg ccgccgacga 180
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 aagatcggca gcgtcattgg 260

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 <213> Glycine max

<223> Clone ID: 700961279H1

<400> 16614

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<223> Clone ID: 700961281H1

<400> 16615

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 cacgttctca ctctcacttg aagcggctct cctcaatttg ttgccagcat gcaaattccat 180
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[illegible]

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<213>	Glycine max

<400> 16617

<210>	16618
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<400>	16618
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 tc 242

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<223> Clone ID: 700961287H1

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 atgctttggt gattgtacaa tattaatctt tgactcatca aatataaatt tgggtgattgg 180
 aaagtttaaa ggactattgg aagcaaaaaa tctttccagt gatggattta tctttttat 239

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<223> Clone ID: 700961288H1

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<223> Clone ID: 700961289H1

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 atcaaaatcc tcaggttgtg agtgagaaac tgagaataat ggtttctgga tggagaagga 180

cgtttcgcac atctaataacc attccacaca aca 213

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<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 700961290H1

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<210> 16623
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700961293H1

<400> 16623

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tcttcttct ctctgttcag tgctgctttt gaccggtcaa accctatcgc ttttctggag 180

agagtcttcc agttcgtctc cgaacacagc gactttctgg cgacggagag cgccgagaag 240

gagatagcgt tgctgg 256

<210> 16624
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700961301H1

<400> 16624

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ctctctctct ctagagcgtc gtcgttttagt tagggcagaa aaccctttt cggatcgggtg 120

gagcgaacct cgccggcgag acccccagg ctgttcaatc ggcgatcgag caacggcgaa 180

aagcgacgaa gatgaaggtt ttcgtgaaga ctctcaaggg cagcacttc gaaattgaag 240

002260"TTTTTGGG

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249

<210> 16625
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700961302H1

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atcacattta caactttgcc atgcgggaaa aaaggcctta agcgagtgag atttagtcga 180
aagcgattct cagagaagga agctgaaaaa tggtggaag agaatcaagt gacgggtgtat 240
cac 243

<210> 16626
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700961303H1

<400> 16626

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ttctcaataa gcagaaatta gggaacgcaa caatggctca agcgggtgaa gaatggtata 180
agcagatgcc tgtcatcacg cgctcttata tcaccgctgc tggtgtcacc accatcgat 240
gttc 244

<210> 16627
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700961305H1

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 ttggcttgca aattcatata cccttttctt ttttccaata aggtttcaaa ggatttggtc 180
 cccaagcagt tggagaacat gatgtctctg gtctctctc gtactggcag gcatttgag 240
 cgc 243

<210> 16628
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961306H1

<400> 16628

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 <213> Glycine max

<223> Clone ID: 700961308H1

<400> 16629

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 cggcccaact cacaacgaat ttgatttcga gtttttgggc aacaccactg gtgaacctta 180
 ctcagtccaa accaacgtgt atgtgaatgg cgttggcaac agggagcaaa gactcaacct 240
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 <211> 245
 <212> DNA
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<223> Clone ID: 700961309H1

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ggaacggaat gctacactta catggggcgc agtttgagcg aactccgcat caacgacgat 120
 tctctttcct ccgccttcag cgactgcaac agtgacagat ctggcgaatt cgccaccgct 180
 tcttcgcaaa cgcggcggtt tctcatcgcc tgcgccaccg aaaattccga cgacttgatc 240
 cgcca 245

<210> 16631
 <211> 242
 <212> DNA
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<223> Clone ID: 700961312H1

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 ctaatctttc gcctattggg ttctactcct ttctctcttc gtttccgacg gatccaattt 180
 tcttcccatg gctacgatcg gacacaacaa tctcaatgcc aaattgggtc ttctcgggga 240
 ca 242

<210> 16632
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700961313H1

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 aaactcctct tccgtgccac tatcttagtc gcaatcatcc tcgtcttctt cttcaccttc 180
 aactaccctc cgctcgcccc agacttcacg tcccaccgac aactccactc ccactcccac 240

<210> 16633
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 <212> DNA
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<223> Clone ID: 700961314H1

<400> 16633

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atgttatttg gtttactctt tgcctcaatg ttctaagatg aactattttc tataacatca 180
tgatcaattt ccgttttatg ataaaaaaaa gtacaacgat ttccacaca 229

<210> 16634

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700961315H1

<400> 16634

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ggatccatct gctcccatg gagttcggct tttgattgag gactatcctt atgcttctga 180
tgggctagag atatgggatg ccatcaagtc ctgggtgcat gaatatgtct cattctacta 240
caagt 245

<210> 16635

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700961317H1

<400> 16635

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tttttcaata gtggaagcta taaccctagt tataacacct ctcttgaagg tcgtcggaag 180
ttgtttgcta ttactaagga ggaggtgttg ttgttgaaca agcgaatgcc cgacttggca 240
attgc 245

<210> 16636

<211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961318H1

 <400> 16636

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 ggaagctgat gccaaatcta gaccagcaca gcaccaagct tctcaatctc actgttctcc 180
 aacgaatcga ccccttcggt gaagaaatct catcaccgcc gcacatgtca ccttctacga 240
 gt 242

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 <212> DNA
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 <223> Clone ID: 700961320H1

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 tgctgccatc tccggcgacg gcaaacaatga ggaaagccga tgcacgatg cgctcgagca 180
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 <223> Clone ID: 700961321H1

 <400> 16638

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<213> Glycine max
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 tcgatccgtc acaatggtcg ttcgcaagcg cggtaggccc gacgtcaacc ttaacggcgc 180
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 actgtgtggg atttcagctt ccattgctta ttcaagggtca cactaaatgc taaaagtcta 180
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 cacaca 246

<210> 16642
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 <223> Clone ID: 700961234H1
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 taagtactat tataactaatc actgtcattg gctgtatttc tggtaaaatg ttcttcact 180
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 <223> Clone ID: 700961239H1
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 agacaataga cccaagaacc ggagaggtga ttgcaaggat tgcagaggga accaaagaag 180
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 <211> 261
 <212> DNA
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 <223> Clone ID: 700961240H1

<400> 16653

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tctagtactc tataaatagc atttgcacgc acctagctct tcaccaaact actcctcttg 120

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cattgcatgg ttggccgaac caattaacaa aggtatatat atcatcatat catcaccaaa 240

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<400> 16654

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tcgtttccct cattgctttg ttctcttctc tctctctctc cacattcaac ttcaaaggcg 180

tagagtgaga tccgaacgat gaagagagta ttggcggtca agaagaacaa ggatcctcct 240

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<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700961251H1

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ccattactga cggcttagta gcaaacggca acttcgagct gggtcggaag cctccgccc 180

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tcgttttagta cataaagtcc 260

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 ccctaattct ccaactcgagc gtcaacacga agcgaaacaa cttctcacgc actgtctcaa 180
 tcttggaatc tctgctctaa attctaattc tcccgccata gatgtcgttg aacttgtgat 240
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<210> 16658
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 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700961257H1
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 cccactggac cccttaactc agcaagaaat caccctcgtc aaaaccatag tcctaaaaaa 180

atcttgtccg tttttcgacc cggcggcgga taagaattcg cgcactgg aaacgaaact 240
tgccctctca ctgtcgt 257

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<223> Clone ID: 700961261H1

<400> 16662

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ttgggaggaa cagacacaca tgaaggattc gaattcggat ctgtttgacc cggtcattggc 180
gatggagtc gagtgggtctc gcggcggcac cacctccgat gccgatttcg ccttcgcctt 240
caacgacagc aacttctccg aca 263

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<223> Clone ID: 700961263H1

<400> 16663

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cagattggtc ctgagcccat tgggtccgggt tgcagtcctt gatccgaaga actgtcgaag 120
agttccaatc cctgaatcgg tcacatgcag agccttgcta gcta 164

<210> 16664
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700961268H1

<400> 16664

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tatataagct tttgtgctat caaatagcaa caactatagc gcatagatcg ttttgcagtt 120

ttgtgtcatg atgatggatt ctgaaggatt ggagattggg attgaagagt tgaaattgaa 180
 ggaagagaag ggtaatgcac atgcacagcc atctgggtcaa ttgcagatca ctaccgtttc 240
 tgaactcgtc aatgatgt 258

<210> 16665
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961271H1

<400> 16665

tggagactca tttggttttg ttgcttgctt tgatcttcac ttagttgcc ggcgttgag 60
 cccaaggccc atccacctct cccgcgcctc ccacacccca gtcttcgcga gctcccatcc 120
 agtcttctcc gccacctgtt ccttctctac ctctctcggc tcagtctcca ccaçcagctt 180
 ccaactcccc accagcccc tgcagctctc ctcccc 216

<210> 16666
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961272H1

<400> 16666

aaaattgaga aactcattag tgaattgtta aaaaaaacga aaactcgacc tggcacccaa 60
 ttttgagaaa gtgggttcat aatatctgtg ttgtctggct ccatttgccc ttccatttgc 120
 ttgctgggcc tgtatcaaca ggaagctggg gtaagagaag agggagaagg attaggtact 180
 gtctctctct tt 192

<210> 16667
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961225H1

<400> 16667

caaaccacaaa ccaactcactc ttctcatttt ttctgttgca taccaaatgg aataagtta 60

gattatgtcc aattgttcat agcgttgaac aaaacaaaca cgcagcaaaa tgagcacacc 120
 cttgttccat gaattcaaaa ggcaagcttc tttcttcttc aaggagaaaa tcaagactgc 180
 tagattagca ctaacagatg tcacccctgc agaactgatg acagaagagg caacaagtgg 240
 aaatccatgg gccccagatg ccaga 265

<210> 16668
 <211> 83
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961182H1

<400> 16668

catgttcatg ggcttttcaa tggtttaatg gccctctct atgcaggttc cacagaagat 60
 acgacgcata aatttagtgt gag 83

<210> 16669
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961183H1

<400> 16669

caagcctgaa ccatcttttg agattctgac taatcctgca aggggtgggtc ctgcacagga 60
 gaagtgtatt aaatttttgc aggatagcag atatgttccg gttaagttgg caccatcagg 120
 atttgtgctt ctgagagact tgcacacctac tgagccagaa gtgcttgctc taactgacac 180
 gccctcatct accagttctg ctgctgggtgg gtcagcaaca ggatgcagag t 231

<210> 16670
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961185H1

<400> 16670

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 aaaggctata ttgaaaatcc agagaccatg ttgttgtaag aataaataga aggctcccat 120

cccgatgacg aactcaaggt gtcaagggag cagttacatg gaggtggcaa ggaaatcagg 120
 caagttcgac gaagcaagtc tagagttcca gaagaggatg ctaatgtcct ccggaatcgg 180
 cgatgaaacc tatataccga aggccgtcat cgcctccacg agaacaccgc 230

<210> 16674
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961190H1

<400> 16674

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 ggcgatgaat cgaatttcca tttcctgatg tgaggaacaa agcatcaaca ccttggttag 120
 gttctttagt gggttggtga gaatcttata gttttttttt ttctttctcg aattcttctt 180
 cgcttgatcg ggaattggaa ttgtgagtta gatcaggaaa taagag 226

<210> 16675
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961192H1

<400> 16675

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 ggaaaatatg gtgtttgcaa gtggaagccc tttcgaaaac gtagatcttg gtaatggaat 120
 tgtgggtcat gtaaatacaag caaacaacat gtacctcttc ccaggaattg gtttggaac 180
 ccttctgtca ggtgctcacc ttataacaga tggatgttgc aggc 224

<210> 16676
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961193H1

<400> 16676

tggaccttca gttgatgaag tcaccactga atcctcattg ttttctctgc atgccaggag 60

002222-03300

aaacaaatag taaatcaatt tgtacatgac cggtcacgtc cagaggctat tactgttgga 120
 ataaatgcag tcagggagat atgcatgcgc atgccattgt taatgaatga agacttgcta 180
 caagaccttg cgctatataa gaagtcacgt gagaaggcag tttcaatagc agctcgat 238

<210> 16680
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961201H1

<400> 16680

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 ttctgtgaaaa ctttgaccgg taagaccatc acccttgagg tggagtcctc cgacaccatc 120
 gataacgtga aagctaagat tcaagacaag gaagggatcc cacctgacca gcagagactt 180
 atctttgcgg gtaaacagct tgaggatggt cgaacccttg ccgactacaa catccaaaag 240
 gaatccactc tccacctcgt gcttcgcctc aggg 274

<210> 16681
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961202H1

<400> 16681

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 cttggttcta aattacagac tagttcaagg cagttgacta caaattgcat atgcatcaga 120
 ggtgggcggt atttcttttt taactgatgt gaatgttgat aaaagtgatc ataggttatt 180
 aataatttat tctctttcag attggaggaa agtgagcttt aaccatgtca gaatggatcat 240
 tattggatc acaagtaact tttgaatgat t 271

<210> 16682
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961203H1

<400> 16682

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accaactgta ctggcaatgg agaaaggaag tatggagaac aatgagaaac atgtgacaga 120

gaatgatcct aagattgact acagaggatg gaaggccatg ccctttatca taggaaatga 180

aacttttgag aaattgggag ccattggcac cttagccaat ctcttagtct atctcactac 240

tgtattcaac ctgaagaaca tcacagcca 269

<210> 16683

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700961205H1

<400> 16683

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cagtgtgtat gctgttggga ggatcgtgat aaaatgttca aggaagttga agcgataatc 120

aggaggcaga ttaatatgtc cgttattcct agtgtccagc cattccatgc aatagcatat 180

ccacttgacc caatgcttgc tctggaaatt agccgtaaatt atgctgcaca ctgctcggtta 240

attgcatctc gtttttctct tcct 264

<210> 16684

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700961207H1

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caaagaaagg tgcgaaagggt ggagttgtag cagcaaagaa gaaggttcag gagaaggtaa 120

47 cgaacccttt gttcgagaag cgtccgaagc agttcgggat cggaggcgcg ctgccgccga 180

agcgggacct gacgcgttc gtgaagtggc cgaagaacgt ccaaattcaa cgcaagaagc 240

gcatectcaa gcagaggctc aaggtc 266

002230 E.T.F.2560

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<400>	16685
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<210>	16686
<211>	235
<212>	DNA
<213>	Glycine max

<400>	16686
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<210>	16687
<211>	269
<212>	DNA
<213>	Glycine max

<400> 16687

7343

accctcctc catggctaga tggcagttt

269

<210> 16688
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700961211H1

<400> 16688

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agaaatgaat ttcctacatt taagcccaca agttcagctt ctctaaactt ttacattaaa 120
gaaattttac caaagctaaa gaaatcaaag gttatcggat taattattgc caatgggtgga 180
gctctgcagt caatactccc acctagcatg gctgagattc agaggctaag atgcagggtt 240
gctttccatg ccctgcaatt tcgt 264

<210> 16689
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700961216H1

<400> 16689

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atatcttacc aaaaacaagt catttatgga ttttatcagg aaaatcatac aggtccggtt 120
cagtctcttt ttcaatccga aaagatcaag atcaaagaa cattcattat ctttctactg 180
gagaaagaga tttttgtaac ctttttagcaa gtaaaaaaaaa agtaagacat aaattgtttc 240
gtttcaatcc ttctgataaa aaagaaagaa g 271

<210> 16690
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700961217H1

<400> 16690

aaagtgtaat aaaggacgaa agttaggcta ttctttcaac cgtaagtgtg acttggtagc 60

<223> Clone ID: 700961180H1

<400> 16693

aacaatagta tcttttcgct tcaaatttca tttagatcca aaatttctga atcagtgaag 60
aatcttagat tctgtgggaa aagcttctca atctttgacg aagataaaca acaatgtctt 120
cacttgccgc tgctagagca gacaactttt actatcccc agaatgggaa ccgaatcagg 180
gttcgctgaa caagtttcat ggtcaacatg ccttgcgaga gagggcgaga aaattag 237

<210> 16694

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700961138H1

<400> 16694

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gccatgcttc tttcaccatg tttgcaatgc ttgttggtt gctctctcag agccttgc 120
ttcctgtaat atccaccact gttgcagatc agaagaacta ctacacccca gatccacatg 180
ctggaagtcc ctccacaggt ttctccgatt ctctgtgctc acacaatag 229

<210> 16695

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700961140H1

<400> 16695

gataattata tcaccacact ttgtccacat tctcattctc ctactccca tcattctttc 60
caatggcctc caacggcgac gcgttcatcc ccacccttcc aaaaagatca aactcttcag 120
caattccatt aactcaacta attcctcggt tatcaccat gccgagatcg aatcggaatt 180
ctcccaccac caccacacgg tggcgcgcct caacaacggc gccttcgggt gctgcc 236

<210> 16696

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700961141H1

<400> 16696

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accaccatct tcaccgtcat attcctcctc cttgcaatat tattcactct cacacccac 120
aaggccaacg gtgccacgtg tcaccctgag gaagaagcgg gcctgttggg cttcaaattcc 180
ggtatccgat ccgacccgtc cggcctgctc agtaactgga tatcggttac ggactgc 237

<210> 16697

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700961142H1

<400> 16697

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aggaagggtt taaagctgca tggttctcag ccaatatttt gactttgagg gatgataaag 120
cttatgtagg ctacacttca cttgtagctg ctgaagggtgc agggccatta aaggaatggg 180
tttcacttgt atgtgatgga gacaaacacc ccagaatacg tctgctgctc 229

<210> 16698

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700961143H1

<400> 16698

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ccttttgata taatttctgt tattcacttc cttttagaca ccacactaat ccagattaga 120
cattgtacaa atgggttctc tgttgttctt gcttttggtt attgttcttc cattgtgtta 180
ttgtgttgat gctgcttgct ctaatggaaa ctgcaaggta aatgatgagt gct 233

<210> 16699

<211> 232

<212> DNA

<213> Glycine max

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<212> DNA
 <213> Glycine max

 <223> Clone ID: 700961151H1

 <400> 16702

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 <210> 16703
 <211> 235
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700961152H1

 <400> 16703

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 ggtggttttg aacgatcgat tggggaagaa ggtgcgcgtg aagtgcacg ancgatgata 120
 ccatcggcga cctgaagaag cttgtggcgg ctcagactgg cacaagagcc gacaagatcc 180
 gcatccagaa gtggtacacc atctacaagg atcacatcac tctcaagatt acgag 235

 <210> 16704
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961153H1

 <400> 16704

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 agaagaagat ggagatgtat cagatctgga gcaggagaat agcgttgga gcgttcgcgt 120
 ttgttctgct tttcctatcg gcctcagcag acgacgtcgt tgtgctctct gaagataact 180
 tcgagaagga agttgggtcag gacagaggag ctctcattga gttctagctc cttggtgt 238

 <210> 16705
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961154H1

002220-032200

<400> 16705
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 ttcgccatgc aactagccag tgccctcagta ctccctatgg ttctcaaata agctcttgag 120
 cttgatctgt tggaaatcat agccaaggct ggccctgggtg ttcacctttc cccctccgac 180
 attgcttctc gggtcccaac acacaacct gatgcacccg ttatggttga ccgtatat 238

<210> 16706
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961156H1

<400> 16706
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 tccactaact gaaggagaaa tgggggttgac attcaccaag cttttcagcc ggcttttcgc 120
 caagaaggaa atgcgaattc tgatgggtggg tctcgatgca gctggtaaga ccaccatcct 180
 gtacaagctc aaacttggag agatcggttac cacaattccc accatggggt caatgt 236

<210> 16707
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961157H1

<400> 16707
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 ttctaaaatg ttttgcaatt ttcacattat tcttctaatt gctcttgac ttttggtaca 120
 aatatcatct cagcttggct ccaaggtaga agtgcttcct ggctttgaag gccctcttcc 180
 ttttgaactg gaaacagggt acgttggatt aggagaaaaa gtgatgacat gc 232

<210> 16708
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961158H1

002220-02200

ccttaccgaa agagtgcattg aaaccaagct acatcatggt gatgactggc atcacaacga 180
atcgaatcaaa cactggactt gtacataga ttgtaagggt acaaatatca cgaga 235

<210> 16718
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700961137H1

<400> 16718

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caatgagaaa ggcttttact ctgcaacgag cacttttgcg cttctctgtt gcgttggtgc 120
tggttgccag cttcacttgt gctacttctg ttattgcaat tcctgaagtt tcaggggaatg 180
aagttaatac agatgggaat gctgtaaatg aagaactagc aaaaacagcc aacaag 236

<210> 16719
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700961172H1

<400> 16719

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ttagcgaccc ttcaaagctt cccaagtgga actatgatgg ttccagcaca ggccaagctc 120
ctggagaaga cagtgaagtg attatatacc cacaagccat tttcagggat ccattcagaa 180
ggggcaacaa tatcttggtt atctgtgata cttacactcc agtggagAAC cc 232

<210> 16720
<211> 163
<212> DNA
<213> Glycine max

<223> Clone ID: 700961174H1

<400> 16720

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ttaaatacat gacacttcat ttttttcatg aattttctgt tataattccg ttaaaaaatt 120

<210> 16724
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961094H1

 <400> 16724

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 aggaaggttag atctaagaaa ttatacaatg taccaggaac tgtcttctgc ccttgagaaa 120
 atgttcagct gtttcaactct aggtcaatgt ggttcccatg gagctccagg aagagaaatg 180
 ttgagtgaga gcaagctgaa ggacctcctg catgggttcag aatatgtact cacttatgaa 240
 ga 242

<210> 16725
 <211> 221
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700961095H1

 <400> 16725

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 ggatgaaaag attcttgcta acctcggaga tcatgaggga tagaatgacc ggagtggaca 180
 tggagcacga gggaggtgga tgcgccggtg gcgggaatcg g 221

<210> 16726
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961096H1

 <400> 16726

 cccatccac ccatgtctgc ggcaagatgg gttttatata gtctaaccac tctgtcatta 60
 tgtacaacaa cacaatgatt agcttcaaca tgattgaggc tgccaggatt aacggcatta 120
 agagggtttt ttatgcctct agtgcttgta tctacctga attcaaacag ttggaaacta 180

atgttagctt gaaggagtct gatgcatggc cagctgagcc acaagatgca tatgggctag 240
aga 243

<210> 16727
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700961101H1

<400> 16727

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<210> 16728
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<223> Clone ID: 700961102H1

<400> 16728

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ctccttgata caacagctgc tggacgcagc attggcgaaa actccaactc agaggaaaag 180
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<210> 16729
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<212> DNA
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<223> Clone ID: 700961103H1

<400> 16729

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 accccaccac ccctttcttg ctcccttaat tcttcttctt cttcttctta cgtggaacaa 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961104H1

<400> 16730

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 aacataacaa ctgagagaga aagaatggca gctcaggtct tccaacctag tcataggatg 180
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 aga 243

<210> 16731
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961105H1

<400> 16731

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 <212> DNA
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<223> Clone ID: 700961106H1

<400> 16732

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 ctatcattct actttgttgc ttttacaact atcttccttt tgtttacatc ttacttttgt 180
 ctgggtactct gcgctgtctc caatgtaaac tctgtttacc atataccata atgagtgata 240
 gaca 244

<210> 16733
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<223> Clone ID: 700961107H1

<400> 16733

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 acccaagaag agagtttctt tegtgttca agcagccaag cccctattg gtgtggaaat 180
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 atgg 244

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<223> Clone ID: 700961108H1

<400> 16734

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 gaaccgtcaa cccaaccata cggaaacctt ggccaagag atgtgtgcac ctcggcccat 180
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 c 241

<210> 16735
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<212> DNA
 <213> Glycine max

 <223> Clone ID: 700961109H1

 <400> 16735

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 gcgcgggttg atgaacggga agcaagacc gacgcaagcg gtggctgccg gaatattcca 180
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<210> 16736
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961110H1

 <400> 16736

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 tcaattttag acagaagact aaaagagtga agagaacaaa cagagcaatg gaaggaggag 180
 gagctgctcc gccggccgac accgtgatgt ccgacgcggc gcctccgcgc agcaagcga 239

<210> 16737
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 <223> Clone ID: 700961113H1

 <400> 16737

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 cctatcttgc atggcgcttt tgggggttaa gattacgatt cttctcccca ttgtagtctt 180
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<212> DNA
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 <223> Clone ID: 700961114H1

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<210> 16739
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 <223> Clone ID: 700961117H1

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 aacttaaaaa tgctttatga tccttatggt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaag 180
 gggggccccc caataattga cctcctcgcc cggggattta ttccggggcc 229

<210> 16740
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 <223> Clone ID: 700961118H1

 <400> 16740

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 cgagaagtgg taaccgacat cctctcccg ttaccggcga aatccctact ccgattccgg 180
 tcaacctcaa agtcatggaa gtcactaatc gacagccagc acttcaactc ggatcatctca 240
 gcaga 245

<210> 16741
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961123H1

<400> 16741

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 gatccatcta gcttcggtgc tgcaaagga cgctgcagtc actgcctttc ggtcaccgct 120
 gatcgctctg ggaagtccgg tcaacgggtc cgcctcagct cggtttcggt tccacttttg 180
 ggttctccag aaagctatgc ttgacttcag tatttatccc gaagcaagtt cgtagaagag 240
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<210> 16742

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700961124H1

<400> 16742

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 gaataaacca tctctctacc tctttctctg ctgagtgtg acagtgttag agatgtgtgg 180
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<210> 16743

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700961125H1

<400> 16743

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 tactactcgg ataaccgtag taattctaga gctaatacgt gcaacaaacc ccgacttctg 180
 gaagggatgc atttattaga taaaagggtc acacaggctc tgcctttgct ttgatg 236

<210> 16744

<211> 234

<210> 16753
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<223> Clone ID: 700961056H1

<400> 16753

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 gtctatgccg gtatatattat ggtgtgttcc catgtttcac tgcaatgggt ggtgcctccc 180
 ttggggcatt gctgctcagg gtggcactaa cgtctgcaa agaagtgtca ccgctgaagg 240
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<210> 16754
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 <212> DNA
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<223> Clone ID: 700961057H1

<400> 16754

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 tcggctgact gcgtagtaaa ggctgaactt cactcaggtg tcaagctgga cgtataatgg 180
 aatgagtcc tgtttagatg cttggtagtc tgcaacaggat cggaccgtag agtgccc 237

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 <212> DNA
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<223> Clone ID: 700961058H1

<400> 16755

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 gaggattttg agtcagttct tggaaggttt agaagcgaga accgccgagg aaacgacgga 180

agacgcggcg gcgacgaggt cgccggcgct tatgctcgtc ggaaaactca tcgacgggta 240
cctctccgag atag 254

<210> 16756
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700961060H1

<400> 16756

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gccttctggg tcgtcgtgaa tctatcttgt gtttgagaga ttaagacaaa actttttgct 180
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gaaaggaagc taa 253

<210> 16757
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<212> DNA
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<223> Clone ID: 700961063H1

<400> 16757

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attactactc taaaagctgc caaaagctg aagagatcat caaggaacaa gtcacacaac 180
tatataacaa gcatggaaac actgccgttt cgtgggtcag aaatctcttc cacgattgcg 240
tggttaag 248

<210> 16758
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<212> DNA
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<223> Clone ID: 700961065H1

<400> 16758

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 gacagcattt tcatgcgatc agcctaatta ccagcttcaa gatctaccga gattcgaacc 180
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 cctagacaaa tccat 255

<210> 16759
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<223> Clone ID: 700961066H1

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 gcggccaatg ggggtgccctc cttctgcctc tttcaagggt gaagccaaga agggagagtg 180
 gttacctggc ttggcctccc caacttacct caatggcact cttcctggtg acaatggatt 240
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<210> 16760
 <211> 254
 <212> DNA
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<223> Clone ID: 700961067H1

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 ggtgcccgtc ctccggaggt gaaatgcgca agttggaggc ttgctgtgga agcacacaac 180
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 ggcgaacaat atag 254

<210> 16761
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<400> 16769
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tcggaaagag cctgagcagc cagatcgaga aaaccctgcc ggagtggcgt gacaagtcc 180
tctcctacaa ggagctcaag aagaagctca agcaattcga ccctcccgcc ggcggcgatg 240
agcgccc 247

<210> 16770
<211> 248
<212> DNA
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<223> Clone ID: 700961085H1

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ctcccaatac aagccatcaa ataaacttca gggaaagata gctgtagtaa ccgggggtga 180
ttctggaatt ggacgaagcc gtgtgcaact tgttttcatt agaaggtgct actgtgatct 240
tcacctac 248

<210> 16771
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700961086H1

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tggaagaggc ttatgttggt gtaaagtact cgtgctacaa tcaactcgtt agccattggc 180
taaactca tgcggttggt gagccaatcg tcatagcgac tatgaggcag cgtgct 236

<210> 16772
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<213> Glycine max

<223> Clone ID: 700961087H1

<400> 16772

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tgtgggtgag attcttgaga attgctaata tgttcaaag ttactaatat tagatcctat 180
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<210> 16773

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700961088H1

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cgctggagaa cctgggcacg ttcattctctg acaaggacct gagccaaatg atccagagga 180
tcgacgtcaa cggcgacggt tgcgtggaca tggacgagtt tggggagctg tatcagacca 240
tagcggacga gcgc 254

<210> 16774

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700961090H1

<400> 16774

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acatgggtac tctaacaact gttcctgtgc tcccttctaa gcttaacaag cttcgtctt 180
ctccgcgtca caattctctt tttccctact acggaagacg cgtcgggaag aagaacaaag 240

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251

<210> 16775

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700961091H1

<400> 16775

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gcgacgacga cgacgacgac gacgacgacc tatacgcgcc acaacttaat acgacaaacg 180

aaaacctgcg ttggcaataa taatagtttg tgttactctg ctactaagaa ggctcctccg 240

cagag 245

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agaggagctc tctgaagatt catgcaatta ccaaaaaatg ggaaccacaca aaggttgtgc 180

ctcaggctga tagagttctt attcgtttgg aggagctttc agataaaaca gttggtggag 240

ttttgc 246

<210> 16777

<211> 189

<212> DNA

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ctggccctca acctgagcgt ggccttggca agctcagaaa actcaccacc ctcaaatacta 120
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 ccccgatga 189

<210> 16778
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 <212> DNA
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<223> Clone ID: 700961014H1

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 ctacatcacc gtcttaaccg 260

<210> 16779
 <211> 265
 <212> DNA
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<223> Clone ID: 700961019H1

<400> 16779

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<210> 16780
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961020H1

<400> 16780

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 cactgagcag ttgcacgagg gtttatgctt gttgacttta aacttgtttc gcagtaataa 180
 tcagcaaaga gagaacaaag atgggttaat ttcttccatt gtctggatcc cactagggag 240
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<210> 16781

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700961022H1

<400> 16781

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 agggatcatca gcagcaccac tgtgacactc agtgcagaag aaaatggcaa ggtagtggtt 240
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<210> 16782

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700961023H1

<400> 16782

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 acccattttg acaaaaacag tgtcaaagag acagaacttc ccaacaaaga agcaccagaa 180
 gtgaacaagc cagagcaaca accacctttc attccggaga ctgaaaacag ctatggccta 240
 tatggtcatc atgatgagta taaccaagt 269

<210> 16783

<211> 267
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961024H1

 <400> 16783

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 tatggagaag attcttttca atcactcccc acctttggaa ttcaagggtt tgagcaagga 180
 ggaggaagac tcattgctag ggcaagtgga aatatggagg tacatgacat gcttcacgga 240
 ctccgtggcc ttgaaagctg tcataga 267

<210> 16784
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961025H1

 <400> 16784

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 attcagactg tgaaactgcg aatggctcat taaatcagtt atagtttggt tgatggtatc 120
 tactactcgg ataaccgtag taattctaga gctaatacgt gcaacaaacc ccgacttctg 180
 gaagggatgc atttattaga taaaaggcca acacaggctc tgccctgttg tttgatgatt 240
 catgataact cgtcggatcg cacggc 266

<210> 16785
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 <212> DNA
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 <223> Clone ID: 700961026H1

 <400> 16785

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 taaattacaa caacttaaac gatggcagga ggagcttatg tagattcggg aaatgcaaag 180

002250" 002250"

caatttgatg ggaaggtcac ggcattcgta ttggttacat gctttgtggc agccatggga 240
ggcttactct tcggttatga tcttgg 266

<210> 16786
<211> 258
<212> DNA
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<223> Clone ID: 700961030H1

<400> 16786

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ccctttcaat tctagcactt ggatgatgct ggagtttatt gccttgattc tccaaataac 180
aattacaacg ttcactttgg ccatttccaa gagggagaga cctatttggc cgatgaggat 240
ttggatttct ggatatga 258

<210> 16787
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700961031H1

<400> 16787

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tcaatttcat ttgaaagcaa atggggaatc ttttatgttg tgtgaaagtt gatcaatcta 120
cgggtggctat gagagaagga ttttgacgat ttgagaaggt acttcagccg ggatgccatt 180
gcatgccatg gttccttgga aaacaacttg ctggatcatc ctctcttcgg ctacagcaac 240
tggatcttcg ttgtg 255

<210> 16788
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700961033H1

<400> 16788

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 tttctctcaa ttctctcaga ttttgggtta tcgtttgaaa tggcatcggt atccagtcaa 180
 ccacagttcc gttacactca gccaccgtca aaggttctcc atttgatgaa cttgccatgg 240
 gagtgcacag aggaggaact ga 262

<210> 16789
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961034H1

<400> 16789

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 tctaccactg ccatcattgt ggaccagaac ttcaactctc cagacccaca tgcagacaca 180
 gatttatcaa attctctatg ttcatactgc tctccagatc atggctctgg gagtgggtggg 240
 cacggaagct caccaca 257

<210> 16790
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961036H1

<400> 16790

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 aaaatgagtc gaggaagtgg aggtggatac gatcgtcaca tcactatttt cttccctgaa 180
 ggacgtctct ttcaagtgga gtatgctttc aaggctgtga aggctgcagg aatcacctcg 240
 attggtgtcc gagga 255

<210> 16791
 <211> 249
 <212> DNA

<210> 16794
 <211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961040H1

 <400> 16794

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 acccaactgt gagtgcctgat taccagaagg ccgttgagaa ggcgaagaag aagctcagag 120
 gcttcatcgc tgagaagaga tgcgctcctc taatgctccg tttggcatgg cactctgctg 180
 gaacctttga caagggcacg aagaccggtg gacccttcgg aatcatcaag caccctgccc 240
 aactggctca tagcgct 257

<210> 16795
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961041H1

 <400> 16795

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 ctttctctt cttcccttc ctaatcacg ttgcagggt tttgctctct ctctctctct 120
 gtctctcgct tcctttctag ttcagatctc gcattggctt cagcttaaag caccggtct 180
 aatttcattc ccttaaatta gggactcatc ttatgtcgat acattgaac tgcagatggt 240
 gtggttcttg tga 253

<210> 16796
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961042H1

 <400> 16796

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 gagtggcatg gaattcttga tcgtcattat ttgatgctag aagcttgtga attaaactct 120

gtttctgaag aggactataa tgacctggga agagctgggt taggcagttg tttgcttgga 180
 ggctgcccag attggctagt ttctatgca gctgccttg tgagatttat caattttgaa 240
 cgaactaaac ttcctgagga 260

<210> 16797
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961043H1

<400> 16797

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 gcaagaggtg gagtcggaga agagtagagc aaaactggat agccgtaatt gtgagccaga 180
 tttagagatg tgcattagag caaaaaataa tgcattgggtt atttctcgag tcacaagagg 240
 gaaggagctt tacatggttc t 261

<210> 16798
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961044H1

<400> 16798

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 aagatcgatc gatcgatcga tggctctggt cggagttgaa gtgaagcatg cggcggaggg 120
 cgcaccggag gagaattgct ccgccaagcc caccaagcag ggcgagggcc tccgccacta 180
 ctattctcac aacatccacg atcatcagct ccttctccgt caaaagacgc ataacctcaa 240
 ccgtcttgag gctcagag 258

<210> 16799
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961047H1

<400> 16799

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ctgaaaatga gagagtgcac ctccgatccac attggtcagg ccggtatcca ggtcggaaat 120

gcttgctggg agctctactg tcttgagcac ggcacgccc ccgatgggca aatgccaaagt 180

gacaaaacag ttggcggagg tgatgatgct ttcaacactt tcttcagtga gactggtgct 240

ggaaagcacg tgc 253

<210> 16800

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700961048H1

<400> 16800

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ttgtcattcc tgtaatatcc accactgttg cagatcagaa gaactactac accccagatc 120

cacatgctgg aagtcacccc acaggtttct ccgattctct gtgctcacac aatagtagtc 180

tccatctcat ggccatggga gctctccacc tcacacaaat agtccaagta ctccatcaaa 240

cctcaggtgg aaatgg 256

<210> 16801

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700961049H1

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gaaaggcata ctcataagga gcacagcga tgtgtgcaag aatagcatgg ttttgaagaa 120

gcagagcgaa attgtaggga ggagaagcac aagagtgcag tggcagttgc atcttagatc 180

aaaatcaaac acatggaaga gaggtagtag gagatcatat cagcctccaa tacgtggcca 240

ggccatcctt accccag 257

<210> 16802

tacaacaaaa gaccgaatgc tgtacattga acattgtgca aattcaaggg ctgtaaccat 240
at 242

<210> 16805
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700960983H1

<400> 16805

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ttgctaattgt gttgcatacc aatgagctcg caagacggct aaaggaggag ggcacaaaca 120
tactgcaaac tcagtttagcc cgggaccaat tgccaccaat ctatttcggtt atcacagttt 180
aatggagggtg tttgttggtg tacttggtta atatgcatg aaaaatatac agcagggagc 240
ag 242

<210> 16806
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700960984H1

<400> 16806

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tactctataa atagcatttg catgcacctt agtcttcacc aaaatactcc tcttggcac 120
ttgtgttggtg tccctctttt aagctatttc cttctcttaa cacaattggt tgtgcccaatt 180
gccatagtca ccaaccaatt aacaaaggta tatatatcat catatcatca ccaaataaaa 240
aat 243

<210> 16807
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700960985H1

<400> 16807

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 acaccttacg atattatctc agactgttgt cctcaaagtt ggtatgtcat gtcaagggtg 120
 tgcggagcag tgaacagggt tttgggaaaa atggaagggtg ttgagtcatt tgacattgat 180
 ctgaaggagc agaagggtgac agtgaaagga aatgtggagc cagatgaagt tctgcaagcc 240
 gtt 243

<210> 16808
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700960987H1

<400> 16808
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 acttcttctt ccgcactaat acgaaaatag agggaattca caaaagaggt taccatgttg 120
 gacgtgagag agaggagaag gagttggatc tcacttctcc ggaagttgnc accaagtaca 180
 agatcgccgc ggagattgtt aacagggctt tgcagttagt tatttcagaa tgtaaaccga 240
 ag 242

<210> 16809
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960988H1

<400> 16809
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 gtttgacgca gaaacggcgt cgtccttggg gaaggagctg agggacaact tcggttcggg 120
 aaggatcgga gttatgaatg gagagtgtca caagtgaagg ctctgttgaa ggcggtggtt 180
 gataacgagg aacagatcgt cgacgctctt cgttccgacc tagccaagcc tccactcgaa 240
 accat 245

<210> 16810

<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700960989H1

<400> 16810,

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acagagctat ctgtaatcga gagtgttttc aagctgagag aagcgcacct agcgcaattg 120
tggatgagat gaggaaatct ctcatgata cctatgtctg aactgtggta gtaatagtgt 180
tttgttttat gcaagatatt gcaactgctca ttgttgagat cttctaagtt aagttttggt 240
gata 244

<210> 16811
<211> 208
<212> DNA
<213> Glycine max

<223> Clone ID: 700960990H1

<400> 16811

ggctcctcca tatcctccc tgctcattct cctatttttg ttgacaagcc aagttgattg 60
ttatggttca gagaaggaaa agagtaaaac ttccataatc caagtccagc acgaagccaa 120
gcgtccatat tcccaaccac caaactctgg tacgactcct ccctctcttc catctccacc 180
accgcttctg ttatccacac ctaccaca 208

<210> 16812
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700960991H1

<400> 16812

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ttttcattcg ttgcgtgtgt ttgttcgctg agtgcgtag ttattacagc aatggagttc 120
gagacccac cgcgacgcct ctcaactccg ccatgaccta cgacgaagcc tccatggagc 180
gcacaagagc ttcgtcaacg ccttgcagga acttaagaac ctgaggcctc aactttattc 240

002220-00000000

tg

242

<210> 16813
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700960992H1

<400> 16813

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atcaccttgg aggtggaaag ttctgataca attgataatg tgaaagccaa gattcaggat 120
aagagggtat tccccagac cagcagaggc ttatctttgc cgggaagcag cttgaagatg 180
gaagaaccct tgctgattat aacatccaga aggaatctac tttgcacttg gtgttgcgac 240
ttc 243

<210> 16814
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700960993H1

<400> 16814

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gtctcgcata ttatctgtta gattagagaa gaccaattct agacgacact cttctagagc 120
attgtacctc gatttcctaaa gataaaagag gaacaatggt gggttggttct tggtaatacc 180
tctacgtctg agctatatgc ttgaaaaga gtttctgttt cagatcactt agttacctca 240
at 242

<210> 16815
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700960995H1

<400> 16815

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002220"032200

gaatggctgt tatggcattc cctgggttca ttacaagggc cggcaaggag atttctacat 120
 tttggtcattg gacatgcttg ggcccagtct ttgggatgta tggaattctg ttgggtcaaca 180
 aatgtcacca aatatggttg cgtgcattgc agtagaggca atatcaattc ttgagaagct 240

<210> 16816
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960996H1

<400> 16816

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 gtgtccaacc tgcattgatt gagccccctt cctgcatcca gccatcctgt gttgctccta 120
 ctagtgtttt tcaccccggc tcttctctag caaatcaaag aaagaccgga agccgaaaac 180
 tgaaattggt aaccaagtga gtccgttacc tgagctcatt gcagagccta cggatgctcg 240
 gtc 243

<210> 16817
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961001H1

<400> 16817

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 gagttgtttc agacagtagt agtagttaga tagagaaggt ggaagtggaa aaaggggtgtt 180
 tgttgtattg tgaagtgaag caaggggtgg ggggtggtgtg aaacaaaaaa aggtgtatag 240
 tgagagagaa agagagagag agatgggtggg c 271

<210> 16818
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700961002H1

<400> 16818

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ataatcatcg gttagggtgc aacataatac ttaattcgct taatttttta actgcgctc 120

agagtattca taacatatc tattaataa ataagctggt gatgtaatta atattaatat 180

gtagttttgg caatcttatt ggcagaagat gctagggtga gttcatcaat attctggtag 240

gtataatc ttcatgaatc taatataacg tt 272

<210> 16819

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700961003H1

<400> 16819

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ctccagatg agccgccgag cctccgagtg ggccttccaa cgcttcctcc aggaagcttc 120

cgctccgca cctctcctc cgtcttcttc ctccgccgcc gacgtcgat tcgtcgagat 180

cgaagatcaa cctaaaccgc cccctcccc tccgtcaaac ggccgcttc tcccaatgc 240

ccctgggtcc gtcccccttg actccgacga 270

<210> 16820

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700961004H1

<400> 16820

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atctgcacta aaaccctacg cacacatctt ggtgtaagtc caatcgatat agcagcaatg 120

tctacgcttg aaattgaagc tcgagatgtc atcaaaattg tgcttcagtt ttgcaaagag 180

aattcggtgc atcagacttt tcagatgctg cagaacgaat gccaggtttc tctgaacact 240

gttgacagca ttgaaacctt tgttgctgat 270

<210> 16821

<211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961005H1

 <400> 16821

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 gccaaacaac ctcaaaaaca ttcatacaag ttactatta atccatccat cattaagtaa 120
 gaaaataagg ttcgatTTTT ttatctttgt tttgttctg atccatcatg gaggtgccga 180
 gttcctggga tgcccttcgc aaacaggcaa gaaaacttga agctcagttg gatgagcaga 240
 tgaattctta tcgtaaattg gtttctaata a 271

<210> 16822
 <211> 267
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961006H1

 <400> 16822

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 cccttctgct gaggggtggag gagaagatga gggagttagat gatgcagctg ttaaggttgt 120
 tgacattgtt gacacattca gacttcagga gcaaccgca ttcgataaga agcagtttgt 180
 taccttcatg aagaggttta tcaagaattt gactcccaag ctcgatgcag agcaacagga 240
 gttgtttaag aagcacatcg agggagc 267

<210> 16823
 <211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700961007H1

 <400> 16823

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 catccccact gtgtgatctg atcctaaacc ctatagccat gactaccatg gaggttaagc 120
 tatggaatga caagcgcgag agagaaatgt atgacaactt tggggagctt tatgccatta 180

tcaaagccgc tgagaggcct gagaaggcct atgtagaga tataatctca cccaggaat 240
atgagttaga gtgccagaag ctcatactc a 271

<210> 16824
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700961008H1

<400> 16824

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aagcctagaa tgagtactat ttacaatatg gagggcaata ggaacaaaat attaaaatgt 120
cactggaaaa gaactgatac ttggaggaga atctctattc atgattttga tgggaataac 180
tcaccatttg gtttactctt gtaactaaga taaagtgatt gtatacaaat tccacgacca 240
aaaaaaaaa aaaaaggcg gcc 263

<210> 16825
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700961010H1

<400> 16825

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ttcacttcaa gacagccaaa tgaacgatct tatgacaaa tccttcacca gctacgtgga 120
cctgaagaag gctgcaatga aagaagatgt tgatttgga gctggtgttg ttgtttcttc 180
tgctactcct cgcaacgtgg aacttacctc ttccacaaca cacttgga cgcacatggg 240
tctcttcttc gaagaggctg agaaggtga 269

<210> 16826
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700961012H1

<400> 16826

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agctagagca gtaaccgtca tcaccactgc cagtacggta ccatggctgt gcttcaatct 120
ttcgtttcgg tccacccaga ttctcacttc cccatacaga acctccccta cggagtgttc 180
aagccccaat ccgctttctcc tctctgtccc ggcgtcgcca tcggagactt cgtcctcgac 240
ctctccgaaa tctcttccgc tggctc 266

<210> 16827
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700960980H1

<400> 16827

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gagtgtaaaac gggaaaagca aaaagttgtt tctgtgattg attctctgca accgaatcat 120
catcagccac ttcttcccggt ttcattctctc catttcttct tttcttccgc tctggttcag 180
taaggcgaag aggggttaacg ttattcataa tgggtgcaac agccgctacg gcgtcgtttc 240
ttcccggtgcc tttgccagac gctggaaaag g 271

<210> 16828
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960933H1

<400> 16828

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gcttctctaa caaagtacaa cctcgacaaa aacattaaaa tctcctcacc catcgactc 120
tccgcgtcc agaatcggtc cccgcctcat ccggttcctt caaaaccgaa ctgcgtcgaac 180
cggttatcaa acccatgctc gacctgctcc gccaaaccgg ttctactta atgggtgaatg 240
cgtatccggt tttcgc 256

<210> 16829
<211> 248
<212> DNA

<213> Glycine max

<223> Clone ID: 700960934H1

<400> 16829

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 cttcactagc ctctttctgca ttctgtgcct ttccacggag gccagtggat gttccattcg 120
 gcagaaacta cttcccaactt gggcttttga tcacatcaaa tacttcaatg gaggttctga 180
 gattcaactt catcttgaca agtacactgg tactggcttc cagtccaaag ggtcatactt 240
 gtttggtc 248

<210> 16830

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700960935H1

<400> 16830

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 tccacacaac atacg 75

<210> 16831

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700960937H1

<400> 16831

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 gggcttccac tatgcattgc gcatattggc gcttctgtgt tcccttggtg ctacttgcta 120
 gcttcagtta tgcacctttt gttttggcga caactgaaat ttcagggaat gaagtgaagca 180
 ctgatggaaa ggtttttaaat gaagagttag caaacctaa tctacaagga catgatgaag 240
 aagcaaagtt 250

<210> 16832

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700960939H1

<400> 16832

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 ggagcgaaca agttcccgga gagacagccg attgggacgg cggcgagag ccaagacgac 120
 ggcaaggact accggagccg ggcgcggcgc cactggttga cccgacggag tttacgtcat 180
 ggtcctttta cagagcaggg atagcagagt ttgtggccac ttttctgttt ctatacatca 240
 ctgtcttaac c 251

<210> 16833

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700960940H1

<400> 16833

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 ccgaccgcct cctcgaagcg ctcttcgtcg cggcggcgca gcctcaccaa ggcaacaagc 120
 ctctccaagt cttctcaaag aagacgcatt tatgcgtcag tatcttcaag accttcggtc 180
 gcttggttaag gagctagaag agtctggagt tctcagcgaa tcagttcgat cgaggaaaga 240
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<210> 16834

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960941H1

<400> 16834

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 gtgaaactac agggaaaatg caggtaaaaa gaattcaaaa gtatgttgaa acacttgatg 180
 tgctgaaggt taagaattct atgtctagta gcaatggaga ccatgccaca gtgcagcttc 240

aacagaagca tt

252

<210> 16835
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960943H1

<400> 16835

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tttctgatg gaaatagatt tggaactggg tcagatgatg gaacctgcag attatttgac 120
attaggactg ggcaccaact tcaagtttat tatcagcagc acagtgacaa tgagatccca 180
cctgtgactt ccattgcatt ctctgcttca ggaagacttc tctttgctgg atacacaaat 240
ggagattgct atgt 254

<210> 16836
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700960944H1

<400> 16836

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tgaaacaaca aagtattatt gcacagttat tgatgcgcct ggacataggg atttcattaa 120
gaatatgatt atgggacatc ccaagctgac tgtgctgttc ttatcattga ttcgaccact 180
ggtggttttg aagctgggtat ttccaaggat ggacagactc gtgaacatgc tctgctttca 240
ttcacccttg g 251

<210> 16837
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960948H1

<400> 16837

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cttgtattgg cttctcaaat ccatgtttcc tctgggaaac tagtccttgg actatcatgg 120
aattactatt tgttgacatg tcccaagctt gagaggatta taaggaagca tcttgaggat 180
gtcttcgaga aggacagtgg agtagctcct ggcatacttc gactcttctt ccatgactgc 240
tttctaatg ga 252

<210> 16838
<211> 250
<212> DNA
<213> Glycine max
<223> Clone ID: 700960949H1
<400> 16838

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taataaaatc attggggcta agatttaca agtagatgga ttttttagca aggatgatcc 120
aaaatctgtg agggatatag atggtcattg cactcatgta gcatcaacag cggctgggaa 180
tccagtttagc acagctagca tgtaggcct tggtcaggga acatcaagag gtggcgtgac 240
aaaagcacgc 250

<210> 16839
<211> 73
<212> DNA
<213> Glycine max
<223> Clone ID: 700960952H1
<400> 16839

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caaacctaaa caa 73

<210> 16840
<211> 251
<212> DNA
<213> Glycine max
<223> Clone ID: 700960953H1
<400> 16840

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 tgcgtttatg tgtggttctc ttcccaaacc tacgttacct ttctcgttga cgagtaaata 180
 tgcaagctta tgcattgcata taataattgt cttatgcatt ctttaagtgt gtatgtggac 240
 gttatctagt t 251

<210> 16841
 <211> 107
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960954H1
 <400> 16841

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 tctctcgcac tcgctctcac cctttgcctt gtttccactc tatgtaa 107

<210> 16842
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960955H1
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 aaacactccc ttccaagttc attgcgagat attctaaagc ctggccctgc aagtgttgaa 180
 atcgatgatc accctatgca aattgaagaa acacagtacc cgaaaacctt cttctataaa 240
 gaagacct 248

<210> 16843
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960956H1
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 atttgacttt gtagtttggc atgttgaaac aattaatgaa gtatctgatt caaaagttgt 180
 gtttgggttt ttgttttctc ccactctaac tcaattgcag agattgcaac ctctaaaaac 240
 taatgaacaa tc 252

<210> 16844
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960959H1

<400> 16844

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 aaggagcttg gaactggtat gcgttcattg gggcaaaacc caactgaggc agaactccag 180
 gacatgatca atgaagtgga tgctgatggg aatggtacca ttgacttccc tgagttccta 240
 aacctcatg 249

<210> 16845
 <211> 66
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960962H1

<400> 16845

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 ccacac 66

<210> 16846
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960963H1

<400> 16846

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caccaaccac aaccgttccc accgtttcca gaaccacaaa aaaaccaag aaactaacc 120
 taatccctct gatattcctc atctacttcg agtcgcggg cgggccctat ggcgagctac 180
 ccgcggtgca agccgcgggc cccctcctag cctcctggg cttcctcgtc ttccccctca 240
 tctgg 245

<210> 16847
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960966H1

<400> 16847

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 cagagacttc tgctctttgt tgatcgagc cccgaaaccc gcgaaagcaa acgtgaggag 180
 aagcagatgt ccgagctatt taaaaatata agggagctaa agtcaatcct gtatggaaat 240
 agtgaat 247

<210> 16848
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960970H1

<400> 16848

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 cgtctttctt ccgacgcgcg tcgcttacag acccggcgac atcgttccca tgagccgcat 180
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 cttc 244

<210> 16849
 <211> 246
 <212> DNA
 <213> Glycine max

<212> DNA
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<223> Clone ID: 700960907H1

<400> 16861

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tgagcgagcc ctaccttggc ctcttcaact cgtggacggg ctccaactgc tgctctgact 180
ggtagggcat cagctgcgac gccaccaccg gccgcgtcac cgacatcaac ctccgcgggg 240
agtccgaaga ccccatct 258

<210> 16862
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700960908H1

<400> 16862

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tgatacttgg ccgcagtaag gatgatagat tcgacctaaa ggggcttgct cgtgagggttc 120
tgcgtttgac tggagtgtca atattgcaga ttatgttctt tggacaggct tcttgatct 180
tcagggacta aaaggaaaaa tgaagaaaat gagtaaggca tttgacgaag tgtttgaaca 240
aatcataaaa gaccatgaag 260

<210> 16863
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700960910H1

<400> 16863

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actgcgcca aggtatcgtc gaaattgctc ggtgatgatg gtgagagtag tgttttggtt 120
tttgtggcgg atggaagggt cacttggagg cgttcatgat tgccaatccg gggattaggg 180
cattcaggtg tgacccttac atggggaagt tgtttctgga ggaatatgat catttgggta 240

tgaagaggtc caggaaaa

258

<210> 16864
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700960911H1

<400> 16864

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tgagttctgc catctcagcc ttcccatctc tcttttcttc ctcaaatcc agatttgccg 120
cagcagttcc tctttccagc tttgttgtea ccaatgcctc ttcttctcgc ttttccatga 180
gtgctgactg gatgcctggc cagcctagac cccctacct tgatggttca gcacctggtg 240
actttggatt cgacctctt c 261

<210> 16865
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700960912H1

<400> 16865

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ggttcctttt actttatgga gatgaacact cgtatccagg ttgagcatcc ggtgacagaa 120
atgatttctt caacggattg atagaagagc aaattcgtgt agctatggga gaaaaacttc 180
gatacaaaca ggaggatctt gtcctcagag gacattctat tgaatgccgt atcaatgcag 240
aagatgcttt taagggat 258

<210> 16866
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700960913H1

<400> 16866

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<223> Clone ID: 700960918H1

<400> 16869

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actatcatcc acctaagcca ccaagtcaca acaacctttg ttcttaagat tttccaaaca 180
cttcaactca attgggttgc accatcacag tcacagatgc tgctcaaag ctgttcccga 240
gagaccccag agaccca 257

<210> 16870

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700960919H1

<400> 16870

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aagctttttt gttgaggtga aagtgaagat gttggcaagg ataacttgag ggctgaggac 120
ttgaacttgt gctttaagaa gcttatgatg gtggccggga gtgggaacag tgagaaaggg 180
gtgaacttga aggttgggt gatcaccgag tggaaggata ttctgtgga gcttctgatg 240
caaattctgt cccttg 256

<210> 16871

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700960920H1

<400> 16871

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aaaaagaaca agaagccttt tgcatcttac gtcaaggccg gtgtctacca ggagtatatt 120
atgatcaaca agcactgacc catgtcacca tgatcggaga tggccccacc aagaccagaa 180
tctccgag caaaaactac gtcgatggca tcggaactta caacaccgct accttcggtg 240
tgaacgctgc taactt 256

<210> 16872
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 <213> Glycine max

<223> Clone ID: 700960921H1

<400> 16872

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 ttaatatctc tgggcactca tataccaagg gacatgagaa ctttatacca gttggtccaa 180
 cctatggtaa atcaggagaa aatttcataa ctgttgctcc ttatgacaag ggtactgatc 240
 atattatatc actggg 256

<210> 16873
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960922H1

<400> 16873

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 aacccttcac gttgtccttc gtctccgtgg tggcatgcag atcttcgtca agactctcac 120
 tggcaaaacc ataacctaga ggctcgaaagc tctgacacca ttgacaacgt caaggccaag 180
 atccaggaca aggagggaat cccccagac cagcaacgtc tcattcttcg cggaagcaa 240
 cttgaggacg ggcgac 257

<210> 16874
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 <212> DNA
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<223> Clone ID: 700960923H1

<400> 16874

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catcgaagcc ctcttagcct acaactctct gtttcacgac actgatttca agctcgccaa 180
 ttgtcatcag ctcttaaagc acaaagtagc ccaggaatgt ggattcactt ctctatctat 240
 tcggatcgtc gatgaac 257

<210> 16875
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960924H1

<400> 16875

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 tgatgaattt cctgagtaat attcttaggg aggaaggtgg ttttgattac aagaaggcaa 180
 ttgtagattc aattgtgatt ctcatagag atatccctaa tgcaaaggaa gctgggttgc 240
 ttcattctttg tgagttca 258

<210> 16876
 <211> 256
 <212> DNA
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<223> Clone ID: 700960926H1

<400> 16876

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 aacagaaatt gattcgtcac gaaagggaaa tttgttgaag aagtccttga aacaattgaa 180
 cttgatggta taaaggattg tttagttggc atccctcgcc agagtggctt gtctaccgaa 240
 caacgtaaaa gactaa 256

<210> 16877
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960927H1

<400> 16877
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 tgactatctc attccatatt tgaggaaaat aaatgcaact accacaaaga cttacgctga 120
 aagaaccata tttttctgaa aagtgatgga accttgacgc cattggccat tgagttaagt 180
 aagccgcctc ctcagggtga aggatatggt cctgttagcg aagtctacgt gccttcgagc 240
 gagggagttg aagctta 257

<210> 16878
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960929H1

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 gatgggaaga ggaaaattca agagcaagcc cactggctgc cgccagttct ccaccccga 120
 agatatgtct gctggaacct ctaaccgtcc tcgaactttt agacagaaag aagctgcat 180
 tgaagaggaa gaacccgagg aagtatctgg agatgaatct ggagaagaat ctgaagaaga 240
 aacttctaag 250

<210> 16879
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960930H1

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 cattatctc cttctcagtt caaaaaacat gtttttctgt tcgttggtcg gtttcacaga 180
 caaaaaatgg agctaaagtga gaataactc cttggctcat tattggcttg ggcaatcctg 240
 gtaacaaata ccatgg 256

<210> 16880
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960931H1

<400> 16880

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 agctaaggag agagggattt tgagtgtatt tcgtagattt catgatgctt ctcgtaagaa 180
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 atttggtgat tcaag 255

<210> 16881
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960901H1

<400> 16881

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 gctcctcgtg gccctctccg cctccaccgc gacggcgcgt ccctgcagga ccttcataat 180
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 atccttcacc cctctctaca tc 262

<210> 16882
 <211> 95
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960861H1

<400> 16882

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<210> 16883
 <211> 255
 <212> DNA
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<223> Clone ID: 700960862H1

<400> 16883

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 gggaaaaaag ggcaaaccag aatggctatg tggcttttct cagagatgcg taatactggg 180
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 aaaacaaagg ctttg 255

<210> 16884
 <211> 144
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960863H1

<400> 16884

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 aactcttctt ccacacaaca tacg 144

<210> 16885
 <211> 113
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960865H1

<400> 16885

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<210> 16886
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960868H1

<400> 16886

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cttcaatgaa cattgaagat aaatataaat tcatgattac tgccacaaac actaaaagag 180
agggagcagc agatagtgcc tgggatgatt aatgaagtat tttgttcttc tcatatttga 240
ttgatgacaa ctgct 255

<210> 16887

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700960870H1

<400> 16887

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actcaagctt gcgggagaag agaaaaccct aatcagacat ggggaagaag aagccgacgg 180
cgagggacga agagaacgcg gtacagcaag gcggcggcgg taaatcgaag aagaaggcag 240
tgttaatcga cgacgac 257

<210> 16888

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700960871H1

<400> 16888

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accatgacct tcctccagca cctttgttcg acccagagga gctcacacag tggtccttct 180
atagagccct catcgtgag ttcatagcaa cccttctctt cctttatgtc actgtgctca 240
ccattattgg ctac 254

<210> 16889
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700960872H1

<400> 16889

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aggatgagta agcttcagag tgatgctcta agagaagcta tctcaggaat catggctgat 120
tccaaggaaa agaacaggaa atttgtggag accattgaac tccaaattgg gttgaaaatt 180
atgatcccca gaaggacaag cgtttcagtg gcttgtaag ttgcccata ctcgccccaa 240
gat 243

<210> 16890
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960873H1

<400> 16890

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tgtctctggg agcgaacaag ttcccgagga gacagccgat tgggacggcg gcgcagagcc 120
aagacgacgg caaggactac caggagccgg cgccggcgcc actgggtgac ccgacggagt 180
ttacgtcatg gtccttttac agagcaggga tagcagagtt tgtggccact tttctgtttc 240
tatacatcac tgt 253

<210> 16891
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960874H1

<400> 16891

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taggaggctc attacaacct atcacgcgct ctctttctgc tcctcttgcc ccaggtggcg 120

tggaagct tattgtcatg gatgcctcct atgatatgct tcaagcctgt aaaaatgctc 180
 accacaatgc caccgttgag acccactttc ttgttgctga cgaagagttt cttcctatca 240
 aagaaagctc tgtg 254

<210> 16892
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960875H1

<400> 16892

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 cagaggagaa aattggaaga aaagagtacc aattgggtcac ttttgatctt ccctacttgg 180
 ccttttacta caaccagaag ctcttggtttt acaagggtga agatttcgag ggcatggtcc 240
 aaaaactcaa agttgg 256

<210> 16893
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960876H1

<400> 16893

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 agtttgtgag ggtgattagt gcaaagcagc aagtgggtgc tggagtgaat tactacataa 180
 cattggaagc aaaagatggt gagattaata atgagtataa agcgaagggt tgggagaggg 240
 aatccaaga gt 252

<210> 16894
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960877H1

<400> 16894

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gctgaaggag aataccggtt cgagccaata cgcgattgcg aagttcatcg aggagaagca 120

caagctgctt ccaccgaact tcaagatcaa tcttctctac catttgaaga agctcgtcgc 180

cgccggaaaa ctctgcaaag tcaaaggctc gttcaagctc ccacctacca gacctgctgc 240

atgcatcttc ttcttct 257

<210> 16895

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700960878H1

<400> 16895

aggctctcaa agatctatgc ttacctcttc ctttgcattgc tcttctcttc ctccgccact 60

cccattctcg gttgtggcta ctgtggcaaa cccccaaaa agcacaagcc tggtaaaaca 120

ccaaagacac ccacagtacc cgttgttaag ccaccagtca cagtcctctc cattgttaag 180

ccaccagtca caatccctcc cattgttaat ccaccagtca caatccctcc cattgttaat 240

ccaccagtca caatccc 257

<210> 16896

<211> 254

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<213> Glycine max

<223> Clone ID: 700960879H1

<400> 16896

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ggtatcgat tcagatctga caatgagcaa ttcaagttcc acatgcaaag gttcaccgcg 120

aaaatagcca acttaatgaa atcagccaat ctttttgctt cacaaggagg gcctatcata 180

ctatctcaga ttgagaacga gtatgggaac gttgaagggg catttcacga gaaaggactg 240

tcctatattc gttg 254

<210> 16897
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960880H1

<400> 16897

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ctgggtggatt aagcaacagt tcccctgggt tattttacctc atcacatggc atgacatgca 180
acaatttggt ttctcagcaa caacgtacct tcatacagat gaggactgtt ctcaagggtg 240
tcgataactc aggt 254

<210> 16898
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700960882H1

<400> 16898

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ccacactaaa aggttattgc tctattattg tttgacgatg gctgatgctc atgggactga 120
taagaacatt gaggtgtgga aaatcaagaa attgatcaaa gctcttgagg ctgccagagg 180
aaatgggaca agtatgattt cccttatcat gcctccacgt gacaaattat ctctgtgtcac 240
caagatgctt ggtgatg 257

<210> 16899
<211> 120
<212> DNA
<213> Glycine max

<223> Clone ID: 700960884H1

<400> 16899

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<210> 16900
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700960885H1

<400> 16900

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gggaggtcct ggtgggcccg gatttctctt tgcttttggg caatccaaag ccaagtttca 120
aatggaaccg aacaccggag tgacatttga tgatgttgct ggggtggatg aagccaagca 180
ggactttatg gaggttgtgg agtttctaaa gaagcctgag aggttcactg ctgttggggc 240
tcgcataccg aaaga 255

<210> 16901
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700960886H1

<400> 16901

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gccccaatcc gaacctgatc gtgacaacca tgaagaccaa ttaccctctt caatttccgt 120
ggaatccaca aacactaggt ctggcatttc gtccgaacat tattacgccg aagaaatatt 180
cagcatcagc gcacgcacat gcgaaatgat tcaagacctc cttggcctca cgttgt 236

<210> 16902
<211> 100
<212> DNA
<213> Glycine max

<223> Clone ID: 700960888H1

<400> 16902

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aatagcaatg gatcagcaat gctgctacag agtctgagat 100

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<211> 252

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700960889H1
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 gagaaattgt tgaggcattg atttccttgt atgaacggga tgtgttcaaa tatecttctt 180
 tggagcaaag tgccgccttt aagatactaa aaacgcgttt aaaagctgtg ccatcgatt 240
 cattcaatgg cg 252

<210> 16904
 <211> 203
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960890H1
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 agtaggctca taagaggctc atctcactcc ataccaagaa tgtgtatact ttatttcctt 120
 tggggaaata tattacaatt tataccagcgt tgtattctgg aagtttggat ttcatacaat 180
 tccaatcatg tggatgttgc atc 203

<210> 16905
 <211> 123
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960891H1
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 cggaccgcg agagtcccaa cttgccaccg cgccgagtca cacaacactg gccccggccc 120
 aaa 123

<210> 16906
 <211> 253

<212> DNA
<213> Glycine max

<223> Clone ID: 700960860H1

<400> 16906

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agtgaactgt aattgtgaaa aggttggaag atctggccaa agaaggatgat agccctgtag 120
attcgttccc atggtttgat ccttcccggg acaacgcggc gtgttcgaat tctgatcgct 180
tttacgcgag atagggggac caccctctaa gcctaagtat tctcaatga ccgatagcgt 240
acaagtaccg tga 253

<210> 16907
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960892H1

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tctaaccag caccaaaagg caaaaaaaga agagtcaatt cttcaatgtg acaccaaaca 120
tctagactat ggggagcatg gcaccaagtt ggtctgatca atggggaagt ggaggggttg 180
ccagtgacca ctatgagaag gaggaagagg agaagacgaa gatgaagaag agtgggagca 240
gcaagaagat ggca 254

<210> 16908
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960893H1

<400> 16908

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gaaatggaaa aggttacaag tgaagcctga agagcatgta aaggttccca aatttcctga 120
atgcaattca cctgaattat atgaccaata ttttgggtgac tacgtgacaa ggattctaac 180
tgaacggaca cctcaaaaaca aaccactatg ggaaatccat attattaatt atccaacaag 240

caatgctgca ggca

254

<210> 16909
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700960894H1

<400> 16909

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ctaccaacct tgtgtcccc ttccccctggc ccctgcacat caagaatgga agatagaaaa 180
tacacatttt tttttatatt gatgtccaat attcagttat ttaatgtcca aattttaaca 240
gt 242

<210> 16910
<211> 152
<212> DNA
<213> Glycine max

<223> Clone ID: 700960895H1

<400> 16910

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tcgcttcctg tcttatctt gtgctttctt tcttttactt gtgatcttgc tcattgttgt 120
gctcaataac agattgtttc gtgcttctct tg 152

<210> 16911
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700960816H1

<400> 16911

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ttctcgtcgc accttttctt ctctctctct tttctctctt tctagttcgt gttcttcgtc 120
gcatatccga agtaggatct ctcttgtttt ttctctaggt ttttcgcgat ggcgtcgaag 180

atatttcta at tggaaagatg aaagctggac gagtagtgat ggagttgttt gccgatgcaa 180
 cccccaaaac agctgaaaac ttcagggctc tctgcactgg ggaaaagggg attggatcat 240
 ctgggaaacc ttacact 258

<210> 16915
 <211> 248
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<223> Clone ID: 700960822H1

<400> 16915

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 cctcggttac cctcgatgg atcgcttcag cccttcacgc agctgttaac tttggacagt 120
 atccatatgg aggtttaatc ctaaacaggc caaccattag caggagattc atgcctgaga 180
 aagggctctgc tgagtatgca gctttggcta agaaccctga gaaggagttt ttgaagacta 240
 atactggc 248

<210> 16916
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960824H1

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 ggtaaccgga ataagttgtc tctacgattt gagccatggc aacaacaaca ccctcaaacc 120
 gatcatcaga ggcgtttgct ctcatggcaa tcctcagcac tctgctttgc acggcggtgg 180
 cggcgaagga gagcgtgtac gagatactcc ccaagtacgg cctcccagac ggtctgttac 240
 cggacaccgt caccgact 258

<210> 16917
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960825H1

<400> 16917
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 cttgctcaca actggatggg ttaattttgt gacttccaag agattagttg ctggagacac 120
 ctttgtgttt ctgagagggg acaatggaga attgcgggtt ggagtgagge gcattgctcc 180
 tgtgcagagc agcatgccat catctgtgat ttctagtcag agcatgcacc taggagttct 240
 tgcaactgca tctcatgc 258

<210> 16918
 <211> 248
 <212> DNA
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<223> Clone ID: 700960827H1

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 cccttaagtc taaggatcatg tctccctctt gccttataca caccaataat ttgccaagaa 120
 accgaaccca acccaaccgc aacaacaatt tcgttccatg atttcgacat gatcaccgat 180
 acgcggagaa acgagcagag gctcaagatg aagaacatct tccacatcag cgtcgtctcc 240
 gccgtcct 248

<210> 16919
 <211> 164
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700960830H1

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 aaatcccttc ctacacaaaa ctaatgtggn tagtttctct gaca 164

<210> 16920
 <211> 261
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700960832H1
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 cagtgtccaa atcataaggg tagttgcaaa ttgcaatggc taagcatgat gttgaggggtg 120
 gttcctttctc tgcaaaggac taccatgate ctctccagc accgttgatt gatgctgagg 180
 aactcacaca gtggtccttc tacagggtt tgattgctga gttcattgcc acaatgctct 240
 tcctttacat cacagtgtc a 261

<210> 16921
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960833H1
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 gcttctgctt ctttcgccgc caactcaaga gtaccaattg atgtgccatt tggcagaaac 120
 tctgtgccta cctgggcctt tgatcacatc aaatacctca atgggtgggtc tgagattcag 180
 cttcatcttg ataagtacac aggtactggc ttccaatcaa aagggtccta cttgtttggt 240
 cacttcagca gtacataaa att 263

<210> 16922
 <211> 262
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 <213> Glycine max
 <223> Clone ID: 700960834H1
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 ctgtttccag tggaacaaat cttcatccaa attaggtttt gttttggaga aatgtatgca 120
 gagactggtc ttttcttccc atatttgcac aacgtctctc acggccttca tcagcttgag 180
 gagtactgca aaaccagaa gtccaatgct tcaatggatg accttggtca gtcttctgcc 240

262

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ccacaatctc tctgttcagt ttcatatgg cgaacacact atataacggc gccacatgcc    60
gaatccctct ccggaaccaa tccttggcct tctctcgcca cgtttccaga tccctctctt   120
t                                                    121
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260

<210> 16932

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<223> Clone ID: 700960851H1

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tgccaattgg gtctcgctgtg ttcttggttc acttggcaac catecccatc accggaactg 180

gtatcaaccc tgctcgtagt cttgggtgtg ctatcatctt caacaaggac cttgggtggg 240

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<213> Glycine max

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cagaggagga gtttcgaagg attgttttagg aaaaggatc gggtaagggt gaagcgaagt 120

caagatcatt cagtgaagtg tggatttgag cgaagcagca gcgatggaaa gaaagggggc 180

ggaggaggag gcgtgtcaaa ttcgaactac gtggtgccgc tggacaacat ggcgaactca 240

tcctgcataa cacgtccttt a 261

<210> 16934

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700960854H1

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0022E0"STFE560

ctggaagctg gctttgaaat gatatgctgc atgattatta caggtgcagt cttggctgtg 120
aactttgggc acggcaaaga aattgggaaa ggagtgagtg cctttctggt tgttgtgatc 180
ttcttggtcg ttttggcata tgggagatct tggggteccc ttgggtgggt ggttcccagt 240
gagctcttcc cattag 256

<210> 16935
<211> 257
<212> DNA
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<223> Clone ID: 700960815H1

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tagacataac aatatcatct agctagctag cttagctagca aatagcaatg ttaaaaaacc 180
aaccacaacc agattggcct gagcccattg tccgggttca gtccttatcc gaaaactgcg 240
aagattcaat ccctgaa 257

<210> 16936
<211> 253
<212> DNA
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<223> Clone ID: 700960856H1

<400> 16936

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tgagaaattc aggtcagact tattgaacat tgcaatgact actttgagtc ccaagattct 120
ctcacaggac aaggatcatt ttgcaaaatt agctgtggat gctgtaatga gactaaaggg 180
aagcactaat ttagaatcta tccagattat aaagaaacct ggaggctcat taatggatcc 240
attcctagat gaa 253

<210> 16937
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<223> Clone ID: 700960857H1

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tctattttac acgagtctct catactatga tactatagct acacttccca ctgtgtctca 180
gggtctgtga cacacacaga ctcaattcaa gttcccagct ttgccattt ttccc 235

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<212> DNA

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<223> Clone ID: 700960766H1

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<210> 16939

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<212> DNA

<213> Glycine max

<223> Clone ID: 700960769H1

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tcatccaccc ttgttgatgc caaggctcca agtccaagac aatccccaca atgtgtctcc 120
actacacctg ttcaactctcc ttggaagacc actgctttct gtcgcaggat tgcaagcaac 180
gttatggcaa tggctaccac cagag 205

<210> 16940

<211> 214

<212> DNA

<213> Glycine max

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 cgcgccacca agtcgccgaa gccctcgcg 89

<210> 16947
 <211> 204
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960783H1

<400> 16947

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 ctctctttct ctctagactc ccatgcagcc attgggtatga atggcgtaaa ggttgggacg 120
 acgtcgtctc agacgtacct tgaaggcaag gcagtgaagg agacgagagc gttgatggct 180
 gaactgtgtc gccatttcca caça 204

<210> 16948
 <211> 71
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960784H1

<400> 16948

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 ctcccactct c 71

<210> 16949
 <211> 203
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960788H1

<400> 16949

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 ctacaagaag tttgatgggtg aaactgtcac ggaggtggtc cgtcctcata tagcaaggat 120
 gcagtatcgt gttaccagat tgcccaagta tatgattcta cacatgcgtc ggtttactaa 180
 gaataatttt tttgtcgaaa aga 203

<210> 16950
 <211> 203
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960789H1

 <400> 16950

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 ccactgaacc ttatcattca gaggaagtaa agtcgctggg aggatcatca tctctttgag 120
 ttgccattga agaagaagct cagatcggaa aaattcacct ctccaatccc aatcccatcg 180
 ttgcaaattgg ttccttcggt cat 203

<210> 16951
 <211> 202
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960790H1

 <400> 16951

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 cacctgtatg gatctgactc agatctacac gccgatgggtg gttttggcct ggtctttcat 120
 agatctgatg catggaggct cagatctact gtacagagat actgtagata atcgatgaga 180
 agacagcaga tccagccgct tc 202

<210> 16952
 <211> 202
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960793H1

 <400> 16952

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 agaaaaatgt cccagcgggtg attgttttcg gagactcctc tgtggattct gggaacaata 120
 acgtcatagc cacggttttg aagagcaact tcaagcccta tggtcgtgac ttcgaagggtg 180
 gtcgtccac gggacggttt tg 202

tgctctagag gtgggtgcat cattgtctc

269

<210> 16956
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700960802H1

<400> 16956

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gttcagggttt tctgggtttt ggacaaaaag cttgctcaga ggaagcactt tccttctgta 120
aactggctta tttcttatgc aaaatactca acggcacttg aaacctttta tgagcaattt 180
gatccagatt ttatcaacat taggacaaaag gctcgtgaag ttctgcaaag ggaagatgac 240
cgcaatgaaa ttgtgcagct tgtgggc 267

<210> 16957
<211> 133
<212> DNA
<213> Glycine max

<223> Clone ID: 700960804H1

<400> 16957

gaaaatgggt tcttctttgt ggactttgtg tctaattttg gcttcactag cctcttctgc 60
attctgtgcc tatccacgga ggccagtgga tgttccattc ggcagaaact acgttccac 120
ttgggctttt gat 133

<210> 16958
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700960805H1

<400> 16958

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ctctctacta atttcagcta tggccgacga agctgtggtt gttccagatc ccaccagat 120
cgatgtcaag ctctttaacc gctggagctt cgacgatatt gagattactg acatttctct 180

ggctgattat atcggagtgg cgacatccaa gcacgccacg tatggccctc acaccgccgg 240
cagggtactcg gtgaagcggg tc 262

<210> 16959
<211> 135
<212> DNA
<213> Glycine max

<223> Clone ID: 700960806H1

<400> 16959

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caccatcgac aacgtcaagg ccaagatcca ggacatggaa ggaattcccc cggatcagca 120
acgttctcat cttcg 135

<210> 16960
<211> 182
<212> DNA
<213> Glycine max

<223> Clone ID: 700960807H1

<400> 16960

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ttgtgagagg tctctgggta atgttctgga gtatcgaaga gtcgattatt ttgatgagaa 180
ac 182

<210> 16961
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700960808H1

<400> 16961

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tggttcttct cggggacatg ggtgctggga aatccagcct cgttttgcgc tttgtcaagg 120
gtcaatttct cgaatttcag gaatcaacaa taggggcagc gttcttttca cagacgctgg 180

acatttttcc actcatcaag tctcttttctt tcattctcata tttctcttca ttcacatcac 120
 ttctctgata tgtctcttca ctctctttga cccagatcaa attttttacc ttttgttctt 180
 ctctcttact ctccgttaat gctttgcttc aaaccattct cagaaaaaca atgcttccat 240
 ctaggtctac cctc 254

<210> 16965
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960811H1

<400> 16965

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 aactttgtcc acaagttaaa atcaacttat tccccttaat tttttgcaga agttaaataga 180
 ttaaataaaa gaacttctaa catgacgtgg tgcagaagtt gtttttaact tctagcagga 240
 tttgagtcac ttaggaatc 259

<210> 16966
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960812H1

<400> 16966

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 ccagagggtc cttctggtat ggatacttgc ttctatgccg agtaccacaa cattggcccc 120
 ggttcagaca aatccaagcg tgtgaaatgg gctgggattt ggaacctcaa ttcaaaagct 180
 gcacgttggt tctcaccatc taagtttttt catggaactg attggattga ggttactgga 240
 attccttgct ttctggcgt 260

<210> 16967
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960813H1

<400> 16967

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 tgggtgagagt gaaggcgac catcttcacc ttgaagtcaa cgatcatggc aaccattaac 120
 ctttcttccg ctactacgtc tctcttccaa tccaaacacc gaacgaaacg cattccacgc 180
 ctccctacac tccacagaat aacaaaccac atcgaaggaa ctcatcttaa ctcccccaac 240
 ggctctccca tccttggc 258

<210> 16968

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 700960709H1

<400> 16968

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 tcaagaattt ggagacaaaa ggggttccat tcccaaagag ccaacccatg agaatact 180
 ctagtctttg gaacgctgag gattgggcca caa 213

<210> 16969

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 700960711H1

<400> 16969

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 tacgagagga ccgagcactg ttaaaccggag cacagaagca tacttggtac tttgatagct 120
 gttggtgagg cagttgccta tggtcttctc gggatgtatg gtagtgtggg cacactcgga 180
 gtaggaaatg ctatcctcat cattatccag ctc 213

<210> 16970

<211> 210

<212> DNA

<213> Glycine max

<223> Clone ID: 700960725H1

<400> 16976

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gggaagaacc agtagaaaac caacaacaaa agact 95

<210> 16977

<211> 208

<212> DNA

<213> Glycine max

<223> Clone ID: 700960729H1

<400> 16977

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tcctaattac catctgcaca ctgtcatcac ttctgtcagt tgcattctgca gcaacagagg 120

agggacgaac aaggccattc aaaagggcct atgccttttg agactctttc acagacactg 180

gcaacaccca caatgcagaa ggtccaag 208

<210> 16978

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 700960731H1

<400> 16978

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gtctgctgca gatacagctt cttgttgctc tgaggaaactt tgtggttgct cttggttacc 120

agtcacccat ttgctacaat atactactgc caattctgga gaatgggatt gatattaata 180

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<210> 16979

<211> 208

<212> DNA

<213> Glycine max

<223> Clone ID: 700960732H1

<400> 16979
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 acttcttgag attgaagcta acgagaacta tgttgattcg ggaccaccat ttctcatcct 120
 tctgcacccct gctctcgggc ctctttggga agtcactaag caaaaattct atggtgggtc 180
 catatcagag ggctccgagt tacaaata 208

<210> 16980
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960734H1

<400> 16980
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 tatggaaccc cctactccca cggataggaa aatcactggg gagcaggcac gcagtatatt 120
 tttaagctgg agattaccca tagatgtctt aaagaaggtg tgggacttgt ctgatcagga 180
 caatgatagc atgctttcat tgaaggag 208

<210> 16981
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960738H1

<400> 16981
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 gatttctttc cacttcgaga gctccgtcat tcccttcatt ggtcgcattg cgccttcgga 120
 cacttaccgc acttggaagc gcggctctaa cctccgcgcc gacatgaccc ttgcaggatt 180
 cgacggcttc cgcatacagc gttcgga 207

<210> 16982
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960740H1

<400> 16982
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 attagtagtc tgtgcaaaaa caaatgaagt tctaggtttg catatgtgcg gagaagatgc 120
 tcctgaaatt gtgcaggggt ttgcagttgc tcttaaagct cgcttgacca aggctgactt 180
 tgatgccact gtaggcattc acccaagt 208

<210> 16983
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 <212> DNA
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<223> Clone ID: 700960741H1

<400> 16983
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 catgcgccac catttcacat caagggcgag cgcattcggg tcttgcaagc aagcctggta 120
 ctaccgctgc ctccggcctcg acccctgaat ttgaaccatt catcaccacc tttcttcatt 180
 cattcacggg tttccttttc gactcg 206

<210> 16984
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960743H1

<400> 16984
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 aatagttttt gtctgaaaga tggttgaccc tgcgattctc gtatctccac tttgcttgat 120
 atcactgcgg gtttcgggta tccccttcag ttggcgcggt cctggactgg gaacgatcct 180
 tgtgatgatt ggagttttgt tgtgtgt 207

<210> 16985
 <211> 209
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960744H1

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 tgataccaag tgggtggtgc ctacacctaa ggttccccgca aacggtttat ctgatgcagc 120
 aagaaggttt gttcagtatc agaaagattg tgtgaaccaa gttcttaaag cagctatggc 180
 cataaatgct caaactctat caga 204

<210> 16989
 <211> 65
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960750H1

<400> 16989

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 aaccg 65

<210> 16990
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960751H1

<400> 16990

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 catcctgaat ttaaacaaa accaggaaaa ccttctcctt tgttcttagg attcattgga 120
 gcagcatgtg gacaattgga tgctgtctta cagcgtctt caattgttga taatggcttc 180
 tcaaaaggag tcattaatga tatct 205

<210> 16991
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960754H1

<400> 16991

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 tatggcgtct ccattatcag ctcaattggg tcaatgtcag aactcaattc cacctcttca 120

gggtccactt agccaagatg tgtctaaggt tcaaagggtcg cgtgtggtat gttacggtac 180
cagatcaccg cttggttatt atggtaa 207

<210> 16992
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<212> DNA
<213> Glycine max

<223> Clone ID: 700960756H1

<400> 16992

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agcacaccct aaacactaac accatcacca ataataatgg catcatcctc atcaaccgtt 120
gctttgagaa ccatctcctc tttctctctg aaacctgcc aacacaaga atcattactc 180
aacactagta cttcatccac cataacc 207

<210> 16993
<211> 65
<212> DNA
<213> Glycine max

<223> Clone ID: 700960706H1

<400> 16993

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gggga 65

<210> 16994
<211> 207
<212> DNA
<213> Glycine max

<223> Clone ID: 700960757H1

<400> 16994

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ccagcggcga tcttccggca agtggtcttg tagctagtgg cgttgctttt catcgtgcct 120
ggtcacaatt cttttgatat gggcaacact tagaccacc aaaccacct tcacgtcca 180
agacgccacc gtctacgcct tcaacgc 207

<210> 16995
 <211> 205
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960758H1

 <400> 16995

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 ggaggattac aacaagttct atgaggcttt ctccaagaac ttgaagctag gtatccatga 180
 ggattcacag aacaaggga agatt 205

<210> 16996
 <211> 205
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960759H1

 <400> 16996

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 tcatgggttc ggcacggacc aatcgggtg gaagcacctt gtaccgcac tggtcgatga 120
 ttaccaagtg atcttgtagc acaacatggg tgctgggtacc acgaaccag actacttcga 180
 cttcgaacgt tactacacga tcgat 205

<210> 16997
 <211> 173
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960761H1

 <400> 16997

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 gactccatca tcaatggctc tgagactgaa ccctatcccc acccaaacct tctccctccc 120
 ccaaatgccc agcctcagat ctccccgctt ccgcatggct tccacctcc gct 173

<210> 16998

<211> 205
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 <213> Glycine max
 <223> Clone ID: 700960763H1
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<210> 16999
 <211> 204
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960764H1
 <400> 16999
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 ctcttgata caacagctgc tggacgcagc attggcgaaa actccaactc agaggaaaag 180
 aaagagctga gttcttggtc aagc 204

<210> 17000
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960658H1
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 cacaattctt ttgatatggg caatccttag acccaccaaa cccaccttca cgctccaaga 180
 cgtcacccgtc tacgccttca acgccaccgt ggcgaacttc ctgcattcga attttcaggt 240
 cacgct 246

<210> 17001
 <211> 144
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960660H1

 <400> 17001

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 aaacctgggt ccacacaaca tacg 144

<210> 17002
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960663H1

 <400> 17002

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 ggaggtgtat ctgtatttgg cggagtaggt gaacgtactc gtgagggaaa tgatctttat 120
 atggaaatga aagaatctgg agtaattaat gaacaaaata ttgcagaatc aaaagtagct 180
 ctagtatatg gtcaaatgaa tgaaccgccc ggagctcgta tgagagttgg tttaactgcc 240
 ctgactatg 249

<210> 17003
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960665H1

 <400> 17003

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 cagccagaag gtccatcctc aaccaatgga agaggccatg aatcagaatc cagaagcaat 120
 ggaaacccta atatctaaag tttttacaaa tatctcttcc ttgaagtcag cttatatcca 180
 gcttcaagct gctcactact cctacgaccc tgataaaatc cacactgctg ataaacttgt 240

tattagt

247

<210> 17004
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700960666H1

<400> 17004

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aagctatggg aaagtcttac ccaactgtga gtgctgatta ccagaaggcc gttgagaagg 120
cgaagaagaa gctcagaggc ttcacgctg agaagagatg cgctcctcta atgctccggt 180
tggcatggca ctctgctgga acctttgaca agggcacgaa gaccggtgga cccttcggaa 240
ccatcaa 247

<210> 17005
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700960669H1

<400> 17005

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ttacttggga tttatcactg tattgggcat ctccaccatc ttgttttctc tactcccagt 180
gttcctaaaat ccagaattcc gcaccatata gaaacatata tcctctggaa tgggggtatc 240
tggcgc 246

<210> 17006
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700960672H1

<400> 17006

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<223> Clone ID: 700960676H1

<400> 17009

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tctgcaaagc gcacttttgc gctttggggg tcccttggtg cttgttatca ccttctgtta 120
tgctaacttct actgctgcag caacaactca agtttcaggg aatgcagagc tgccaaagac 180
aaacctaaat gggcatgatg aagaagcaaa attcggattt tttcatcata aaccaatat 239

<210> 17010

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700960677H1

<400> 17010

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gcaacagagg agggacgaac aaggccattc aaaagggtct atgcctttgg agactctttc 180
acagacactg gcaactccca aaatgcagaa ggtccaagtg gctttggcca tgtttcaaac 240
tctcc 245

<210> 17011

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700960678H1

<400> 17011

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cgaagaagaa gctcagaggc ttcatcgctg agaagagatg cgctcctcta atgctccgtt 180
tggcattgga ctctgctgga acctttgaca agggcacgaa gaccggtgga cccttcggaa 240
ccatca 246

<210> 17012

<211> 247
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 <213> Glycine max

 <223> Clone ID: 700960679H1

 <400> 17012

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 cggagttacc gtaccgcgcg caggttggcc gactccgccc ttgtcgccga ggagctatgg 180
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 gaaactg 247

<210> 17013
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960680H1

 <400> 17013

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 ggtggatatg gtggtggtgg tcgcggtggt ggagggggat acaaccgtag cggtggcggt 180
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 agagac 246

<210> 17014
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960681H1

 <400> 17014

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 cacatttatg actttgctaa atcttttttg ctaaggttga atttttttcg tttttacaag 180

tatgagtggg atattttatt acacaacatt cccattattt atatgctac tttctgttct 240
gcaat 245

<210> 17015
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<212> DNA
<213> Glycine max

<223> Clone ID: 700960682H1

<400> 17015

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gatgggagac gagaataaga ccaagtcccc tgcttccggc gtgtgggtcca ccatcaagcc 180
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atcc 244

<210> 17016
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700960684H1

<400> 17016

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ggcccatgat ggtggacctg gctcaggctt tcaagaggct cgaccgggac gagttggtgc 180
gggtcattat attaaccggg tcgggcccgt cattctgttc gggcgtggat ctacggccg 240
ctgag 245

<210> 17017
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700960685H1

<400> 17017

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attttgttgt	gatagacttt	gtggctactt	gtgacaaaga	taaaaacccc	catcctcaag	180
acataattca	gtttccatct	gttatagtga	gtagcatcac	tggccagct		229

002220 "CTTGGG"

tttcaacact aattttatta tctgaaaaaa tggctttcaa agtttcgttt ttccttgac 120
ttgttctagt ttccaatata ctcttccttg atacaacagc tgctggacgc agcattggcg 180
aaaactccaa ctgagaggaa aagaaagagc ctgagttctt gttcaagcat gaaggtgggg 240
tg 242

<210> 17021
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700960691H1

<400> 17021

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ttggcactct ttgccatttc catacttcaa acagtggtaa tggctgctaa tgaacaagga 180
ggccacttgt atgacaacaa gagcaaatat ggaagtggaa gtgtcaagag ttaccaatgc 240
c 241

<210> 17022
<211> 85
<212> DNA
<213> Glycine max

<223> Clone ID: 700960692H1

<400> 17022

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tccttctctc ttccataggg ttttt 85

<210> 17023
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960695H1

<400> 17023

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<223> Clone ID: 700960701H1

<400> 17026

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ataatcgtgt tcgtgggtgc aagtcagtta ttctttctta tcttaataata cagcgaagg 120
caagggaat tttttttcga ggaagcgac agcagcagct ataccacgtt gcttgaagaa 180
actgataaaa agcgctgccg ttgtgtcttt 210

<210> 17027

<211> 211

<212> DNA

<213> Glycine max

<223> Clone ID: 700960703H1

<400> 17027

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cccacagca tcacctaagt cagcaccaac accatcatca ttacaaaag caccaacatc 180
atcacgcag caccggcacc atcatcctcc a 211

<210> 17028

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700960620H1

<400> 17028

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ggtgtagttg tagtgcagct gccagctgc tcaatgatcg ttggacagct gcactacaat 180
cctacaataa tcccaaagat tcatctgaaa agccagttat gtattcgagt gggacatcag 240
gatggactcc gtt 253

<210> 17029

<211> 253

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960621H1

<400> 17029

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gcacctcttc ccatttccat ttgttcttca tcttccacct tcctaactac acacatacca 120
tgcaaancca ncaaacgtag caaaccaaaa cgccaccacg ttctgaaagt gacatgcaac 180
agttaccaaa acacccaac accaaacca gaagaagaaa gtccatcata caacattcta 240
ggaaaatata gaa 253

<210> 17030

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960622H1

<400> 17030

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atctatggac tcgcaagaca atcactcatc aatgctcgtg gcattattga gcaatcattt 120
ctgcttgggc catttgctgt ggagatgtct tcggcagttt acaaggggtg ggttttctact 180
gatcaagccc ttcttgcgga tcttatcaag agaggaatgg cagtggagga tccatcctct 240
ccctatggcc tt 252

<210> 17031

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700960624H1

<400> 17031

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ctctagcacc ctatttttgg ccttggtccg catctcctac cctccccctc tgctgctgc 120
aaccatgaag attttcaacc cctccaaatg ctttctccag aacgtggtgt gtcctttcga 180
caccctcttc atcatthaaca ggtttaagcc cttcgatctg ggtctctccc acctccacca 240

attccaattc

250

<210> 17032
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700960626H1

<400> 17032

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aaattacaac attgccctcg ccttctctgc ggtgctcacg ctgctcctct ttccccctact 120
gaccgtaggg gagctcgtgg aggagcagcc actagtcctc aagtaccaca acggccagct 180
cctgaagggc cgcatacccg tcaatctcat ctggtacggc accttcaccc cgatccaacg 240
gtccataatc 250

<210> 17033
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960627H1

<400> 17033

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atgggagagg aaaaagagca gcctaagaat gaaaccgaga agaagcccga ggaggccgcc 120
gcagcccca agaaagacga cggacccatc cctgtcggtt acaaactcga cttgcattgc 180
gagggatgcg tcaagaagat caaacgcaca tgtcgccact tccaaggtgt ggaaaccgtt 240
aaggcagat 249

<210> 17034
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700960628H1

<400> 17034

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<213> Glycine max

<223> Clone ID: 700960637H1

<400> 17040

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acgagacagc cgagcccccg cgctcattgg gcccggccca agcctatcac cggcccacaa 120
agagatccgc tccagaggcc tcaggaaacg cccctcgggc cgctacgccg ccgagatccg 180
cgatccccgc aagaaaaccc gcgtctggct cggcactttc gacaccgccg a 231

<210> 17041

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700960638H1

<400> 17041

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acgtttgttc ttcttctccg aagaagaaaa atggctctcg gcgacgatgc gcacaccact 120
ctccctcggt cctcgatgcc cttctctgcy aagagcgaga aaccttcgag gaagactttg 180
atgagaacgg ttatgagcgt gagaccgaaa acaacgaacc ctctgtgata aagtcgcaat 240
ctttgccct 249

<210> 17042

<211> 81

<212> DNA

<213> Glycine max

<223> Clone ID: 700960640H1

<400> 17042

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ctcacgttcc catctcaaac a 81

<210> 17043

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700960642H1

<400> 17043

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aatgccaatg cttggcggtg ttgtacagat gtgtttgact atttaacact ttctgcaatt 120
attgatggaa ctgtgctttg tgttcattggg ggcctttctc ctgacattcg aacaattgat 180
cagataaggg tcattgaccg gaactgtgaa attcctcatg agggtccttt ctgtgatcta 240
atgtgg 246

<210> 17044

<211> 244

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960644H1

<400> 17044

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tcagcgggag agaagaattt ggtgattcgt ccaacttgtt cagcgcgatt ctagcaatgg 120
tgctgtggct gggagctatt catttcaaca tcgccctgat cctcctcgcc gtgtttcttc 180
ttcctctctc caaatcgctc ttgggttttcg gttttctctt tgggtttatg gtgcttccac 240
acaa 244

<210> 17045

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 700960645H1

<400> 17045

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ggacccaacc accgtgatcc acccaaggcg cgag 94

<210> 17046

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960647H1

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catcattgcg catgcaattg ttcctcaaaa cgaaaccttc aaatttgaga actcaggtga 120
acttggaacc tacatcgttg agtacggtgc agattacaga atgataagca tcttcaactc 180
tccattccaa gttggtttct acaacaccac cccaaatgcc ttcactctag ctttgcggtg 240
agggtccaa cg 252

<210> 17047

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700960648H1

<400> 17047

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tcgaatctcc tccagctcca caactccctg gac 93

<210> 17048

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700960649H1

<400> 17048

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gccataacat agccaccaga aaacaaaacc caccttagtt attaaaagaa aagaaaacta 120
cataaaatta agctttgttc ggtggtgacc atggggagca ccgactcatc aagcggttca 180
caacaaccga acctgccacc tgggtttcgg ttccacacaa 220

<210> 17049

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700960650H1

<400> 17049

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 tcttctgcat tctgtgcctt tccacggagg ccagtggaga ctccattcgg cagaaactac 120
 gttcccactt gggcttttga tcacatcaaa tacttcaatg gaggttctga gattcaactt 180
 catcttgaca agtacactgg tactggcttc cagtccaaag ggtcatactt gtttggtcac 240
 ttcagca 247

<210> 17050

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700960651H1

<400> 17050

ggagcctgcc tgcaggaggt atcaatgtga cgcctcagat gcaagagcag aggggaaaaa 60
 gtgctgcagc tggaacagat ctcaagccgc gtccagcag 99

<210> 17051

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 700960652H1

<400> 17051

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 cagtatgatc taatagggaa gattggagaa ggcacctacg gtctcgtctt cctcgtcgc 120
 atcaagtctt ccacacaaca 140

<210> 17052

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960619H1

<400> 17052

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ggagtatcct tatagacaac attaatatatt catcaattgg ttttcatgat cttagaagtc 120
 atttgagtat cataccacaa gatccaacct tatttgaagg caccattcga ggcaatcttg 180
 atcctcttga tgagcactct gataaagaga tttgggaggg ccttgataag tcacaacttg 240
 gagat 245

<210> 17056
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960656H1
 <400> 17056

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 ctgaagcaga cacggccgaa ggaagaaacg aagacaaaga cacaaccatg aagcgccttc 120
 ttctcataac aaactgtctc ttactcacca tcggcaccta cgggtgggccc ctctgtgatgc 180
 gtctctactt ccttcaaggc ggccaccctg tetggctctc cagcttcttc gaaaccgccg 240
 g 241

<210> 17057
 <211> 64
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960511H1
 <400> 17057

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 tctt 64

<210> 17058
 <211> 66
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960513H1
 <400> 17058

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ttcctt

66

<210> 17059
<211> 52
<212> DNA
<213> Glycine max

<223> Clone ID: 700960514H1

<400> 17059

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52

<210> 17060
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960518H1

<400> 17060

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cgaatactga atagatctaa agctcatctc caatcaatgg tcttgacacag taattcaact 180

atacttgagg atttctcacg ttcatctggg ggaatgctgct acagatotta cagaacatgt 240

tcacgggact aca 253

<210> 17061
<211> 144
<212> DNA
<213> Glycine max

<223> Clone ID: 700960519H1

<400> 17061

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gccatgatga tgatgatgcc atgttattca cttgctgtcg acattaatca acaactgagg 120

caagtgccac caaagcataa cgtg 144

<210> 17062
<211> 121

gtactacgaa actctcggcg tctccaacaa cgcttcgcac gatgatctca agaagcgctt 180

acaagaaagc cgccattaag aatcaccccg acaacggcgg tgatcccgag aagtttaaa 239

<210> 17066

<211> 156

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960540H1

<400> 17066

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tctcttgccg acattcagca atgaatttgc gccattgnag ggaacgggtca aaagcttagt 120

tgcaacaacg tgggtcaagg ttgagcaacc aacacc 156

<210> 17067

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700960541H1

<400> 17067

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tcactaccct ctctctgcat tctgtgcctt tccacggagg ccaactccctg cctcattcgg 120

cacaaactac gttctcactt gggcttttga tcacatcaca tacttcaatg cacgttctga 180

gattccactt catcttgaca actacactgg tactggcttc 220

<210> 17068

<211> 61

<212> DNA

<213> Glycine max

<223> Clone ID: 700960543H1

<400> 17068

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g 61

<210> 17069
<211> 197
<212> DNA
<213> Glycine max

<223> Clone ID: 700960545H1

<400> 17069

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gcttccccct ctgctctcca cgctcttctt ctctccgcc cactgccact ctccgctcog 120
gtactcttgc ccccccccc accacgcaca accctgcgta caacaccaca gacaccaca 180
ctaccgctg ttaagcc 197

<210> 17070
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 700960547H1

<400> 17070

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acatctggtg ctgcgtcaaa tgggttcgga tcttcttctt ccagtggacg accaggagcc 120
acacctttgg ccctgctatt ggaggcaaag ttgg 154

<210> 17071
<211> 104
<212> DNA
<213> Glycine max

<223> Clone ID: 700960549H1

<400> 17071

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acgaaggaat cccccgcac caccaaagcc tcattcttcg cggc 104

<210> 17072
<211> 137
<212> DNA
<213> Glycine max

<210> 17076
 <211> 64
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960578H1
 <400> 17076
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 ttta 64
 <210> 17077
 <211> 130
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960580H1
 <400> 17077
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 ggccttggtgta 130
 <210> 17078
 <211> 149
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960583H1
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 cgaactgcga tcacccccctt cgttttctc 149
 <210> 17079
 <211> 107
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960589H1

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<210> 17083
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700960602H1

<400> 17083

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agaggttggt gggctgtgta tagaacattt ggtaacgaga tgtttgagct tgtagcatat 120
gagttgatgt cagccaatga tgcaccagaa agggatccac tggactggat tcttgaaggg 180
agcagtgatg acgggatcag ctggcaagtt ttggacaagc aaacctctca gttctttgaa 240
gaccgtttcc agcgt 255

<210> 17084
<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: 700960508H1

<400> 17084

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aggcactggg ttcgttggtt cacggaccat caagagatcc ttgaacacgg atatgctggt 120
aacaccacta ctagatctga ctcaggacgc aagagacacg ttagcttcct caccaac 177

<210> 17085
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700960605H1

<400> 17085

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cattcaagtc cctcacaatg gcggaatcgt gccttctatc cctcccttcc ctcttctacg 120

ccaaaaacaa taccctttct ctctcaattc ccaccaagcc cctcaacctc catcttccat 180
gctccaactc ttcgctcttt cccctcacca ccaaaacaac ggcgcactct tctctectca 240
cattcgtggc tcaga 255

<210> 17086
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960606H1

<400> 17086

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cggtttcagg aaccaacaag aacaagaaca aggttccaga agacaaatgg tatttagcct 120
acattgtgta ttttaccctg ggtctcggtt accttctccc atggaacgct ttcattcaccg 180
ccgttgatta cttctctctt ctctaccctg acgccagcgt tgaccgcac ttcgccgtgg 240
tttacctgat agtcgg 256

<210> 17087
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960609H1

<400> 17087

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gacccataca aaagttcctc cgctggttgt ggtggtgttc tgagggacgc atcagcaaag 120
tggctccgtg gctttgctaa aaaactgaac cctacttatg cagtgcacca gacagagtta 180
gaagccattc tcacgggctt gaaggtggct tcagagatga atgttaagaa actaattgtg 240
gagtcagaca gt 252

<210> 17088
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700960611H1

<400> 17088
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caagagaaga gataatggca acaaaatctt tgggcttcgc tgtgtctgtg actcacctct 120
tcggttccaa gtcgccaccc aagctttgcg tctttactct cagatgctct gctggcaatg 180
gagaaaggcc ttggaact tcaggcgcta gacttatgtt agaagatgga tcaatctgga 240
aagcaaagtc 250

<210> 17089
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700960612H1

<400> 17089
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gacccataca aaagttcctc cgctggttgt ggtggtgttc tgagggacgc atcagcaaag 120
tggctccgtg gctttgctaa aaaactgaac cctacttatg cagtgcacca gacagagtta 180
gaagccattc tcacgggctt gaaggtggct tcagagatga atgttaagaa actaattgtg 240
gagtcag 247

<210> 17090
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700960613H1

<400> 17090
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agcagagcga aaatgacaac caccttcgcg accgtcgcag gactcgggtg cgcatctactg 120
tcatccacct catctcgtct cacctcaggg tttgtgaaat cccagtgat tgctaggaat 180
cccttgaggc aagctgtggc aatgggaaat gggaggatta catgctttga gaggaattgg 240
ctgcgggcag 250

<210> 17091

<211> 235
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700960615H1

 <400> 17091

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 ggaagtggac ggttgcttcc gctctccttc ttctctctct cctctttctc tttgcagatc 120
 aaggtcgtaa gttttangcg aagcgcgagg gagattccga cgagcttgta gatccacca 180
 aggtggagga caagatcggg gctgtgcctc atggcctttc aaccgattca gatgt 235

<210> 17092
 <211> 71
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960616H1

 <400> 17092

 ggaatgcgac tcgagcgcgc atgagaagaa gaagaagatt gccgatctga gcgagtcttc 60
 catcctacag g 71

<210> 17093
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700960618H1

 <400> 17093

 cacaaactct gctatccctg ctctgtttct ctacatcacc gtctctcccg ttatgggagt 60
 cgccggggct aagtctaagt gtagtaccgt tgggattcaa ggtatcgctt gggccttcgg 120
 tggcatgac ttgcacctcg ttactgcac cgctggcatc tcagggggac acataaaccc 180
 ggcggtcaca tttgggctgt ttttggcgag gaagttgtcg ttgcccaggg cgatttncta 240
 catcgtga 248

<210> 17094

<211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960473H1

<400> 17094

agcaaatacag agaacgagct tgcagtgagc aattgaagca ttgaaagaa gctcgtaatg 60
 aatatagaga agagggttatt gatttgttta ggcattgtgc ttggtaccgc atctctctat 120
 tttctcgatg gaagcagaga ggaatgtatg caatgtgcat gtgggttgtc cagttgctac 180
 tggttcttag caatatggat tcagtgttta tctacatccc tgaatattat ctggaagctt 240
 tggttgattg ctttc 255

<210> 17095
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960474H1

<400> 17095

ctcgagccga atcggctcga ggggtggcgtc tcatgcccac acatcgggtgg gaagcatttg 60
 ggtcatgggg ttcttctagt aggttatggt gaagggtgcat atgctcccat tcgttttaag 120
 aacaaacctt actggatcat taagaattca tggggcgaga gctggggaga gaatggatat 180
 tacaagatct gcagaggctc aaatgtgtgt ggagtagatt ccatgggtctc aactgtagct 240
 gctatatatc ca 252

<210> 17096
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960475H1

<400> 17096

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 ctcttgga ca cttttgtca agtttgaga cgatgattgt gtgtatgtgt tgaagctctt 120
 ccttcgggtt caattcactt ctgcaacatc tactacatat tgcagggttc ttgaggatgg 180

gcttttagtca gtccccagca gagtttatta atgccttgat agcttctcag agcaaggatc .240
tgaagctcgt tg 252

<210> 17100
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960479H1

<400> 17100

aagaaaaaga gaaagaaaaa ggatacaacg atggctatga atggatcacc tcgacggtgg 60
gacgtgagat tagttttgac attttctcta cttttaatct cagcctctgt ttctgctctt 120
gaacatgtaa accacaaaaa gattgatccc accaccgctg aaactagttt tcttggaata 180
gtcatgaact ttttgtggag ctcatctggg tctggatacg aacatacttg gccagaaata 240
gaatttgggt gga 253

<210> 17101
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700960481H1

<400> 17101

aatcgacaat cctaattggtt ccgacaaagc tcgacctgag tgtgatctca tgatgtttct 60
gctctaacta tgtttgattt ggatacccaa caacaaaaag agtggtgtcg tgttggtgta 120
gttaatagta ataggactaa gtaagagtag tggaaaacat gaacaacagc agtggcgagg 180
gaggacgagg aactttgatg ggtttgagta atgggtattg tgggaggtcg ccattcacag 240
tgtctcagtg gcaggaactg gag 263

<210> 17102
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700960482H1

<400> 17102

003330" ETTES50

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 ggcagagggg ctcgttctcc gcggaaccat gcgcgccac accgacgtcg tgacggcgat 120
 tgccactccc atcgacaact ccgacatgat cgtgacggcg tcgcgcgaca aatccatcat 180
 tctctggcac ctcaccaagg aggacaagac ctacgggtgc ccccgccgcc gcctcaccgg 240
 acattctcac ttcgtccagg acg 263

<210> 17103
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960483H1

<400> 17103

agcgaacgaa cgaactaatc aatacaacgc catatctctg tgcacgcgtt ccttccctcg 60
 tcctcaattc gaatcaattt cctcaaagtt gctcccagtt ttcttcgcat cacaattcgg 120
 aagggtacagg gagagggttt gacaaatgat gggtttattc ctcagatatt ttcattctatg 180
 ccagctctca atgatgcagc ttcttatctt gcacaaacaa catcattgat aactggatgt 240
 ttctctgatt attcagaacc t 261

<210> 17104
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960484H1

<400> 17104

cattactctc tcttctccta aaaatttcta atgcttccat tgcttcatct gactcactca 60
 tcaatggctc tgagactgaa ccctatcccc acccaaacct tctccctccc ccaaagcccc 120
 agcctcagat ctccccgctt ccgcatggct tccacctcc gctccggttc caaagagggt 180
 gaaaatatta agaggccatt cactcctccc agagaggtgc atgtgcaagt aaccactct 240
 atgcgtcccc agaagattg 259

<210> 17105
 <211> 259
 <212> DNA

acgctgcgtg gagcta

256

<210> 17108
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960489H1

<400> 17108

gaagttctaa ggaagacgga atatgcagaa tacaaggctg tagttgtcta ttgcaataa 60
caacatcagc gatccaacct tagtattctt caaccagag agatttgtaa taataaatta 120
caacaactta aacgatggca ggaggagctt atgtagattc gggaaatgca aagcaatttg 180
atgggaaggt cacggcattc gtattgggta catgctttgt ggcagccatg ggaggcttac 240
tcttcgggta tg 252

<210> 17109
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960490H1

<400> 17109

cgatgttctt ctcttgggtg atggcccctg gccggaattc gtaaatagcg tatggtgcat 60
aaagatactt tctctcagg aagtgcagca gatgggcaac aatggccttg agctgttgaa 120
ctcgtttcca attcaaaggc tctctaattg catctgtgat gactatgtga gccgtcaaga 180
cccaagaaat ttaggcactg ggataacaac cgtgggggtct ttagactact aaatagtctt 240
cacttcttct atc 253

<210> 17110
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700960491H1

<400> 17110

aaatttaaag aaatcaacac acacaaacac aacaacatat ggaggtgcta agggtgcaaa 60

<223> Clone ID: 700960501H1

<400> 17116

cgtaacctcg ccaactcggct cgaccacaaa caaaaccccc aactccccac ccaccaccta 60
cgcgcacacc caccacacca cccccacca ccaacaacca ccacaccccc accccaacgc 120
ccaaaccacc aagcacaact ctgatctctc cttcaagcca agctcacagg taaagggcat 180
cacatcttgg agcgcacttc atagtgaact ccttcacaat cagaagagca agaccctcgg 240
agctcctcaa cgttctttct ttcccaccac acaacaaca 279

<210> 17117

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700960503H1

<400> 17117

tccaggtcat ccaagacaat ccaacaacaa tggtcagctc ttcacctcaa gctcccaagt 60
catgctgcct catcctctca tccaatctct tcattcaacc aattcaactc ttaatcgacg 120
cattccaaca tcacctagtt ccaaacttct tcattcagat aacaacaatg atcgtagcca 180
accacacaac ggtagtagta ctactcgttc ttgcagctct catcgtggct cctctctgat 240
gcaaac 246

<210> 17118

<211> 106

<212> DNA

<213> Glycine max

<223> Clone ID: 700960505H1

<400> 17118

cgcacgcaag ctcggcaact aggcgcgcaa gtaatcgcaa aatctaggcg tttgtctcgt 60
tccgtcgttc cgccaacaat cggcgctcca gcagattctc acaacg 106

<210> 17119

<211> 160

<212> DNA

<213> Glycine max

<223> Clone ID: 700960507H1

<400> 17119

acaacaaaat ggtgtgtgaa cagttcgggt cggacaacga tctagccaac agaatacgggt 60
gttttggccc tcataccact gcgaccacca tcatgggtgga tgcattgtaac ggagttcagt 120
acctccatgc catgaaggac gctgttcttg ctggctttca 160

<210> 17120

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960472H1

<400> 17120

tgcccttctt gattttgatc acctttctct ctggaaccat ttgttacttc atggttcgcc 60
tacaccctgg cttctggcac tacctcttct ttgtgtgtg cctttatgcc agtgtcacag 120
tggttgaaag cttaatgatg gcaattgcta gcattgtccc caacttcttc atgggcatca 180
ttattggagc aggaattcag ggcatattca tgttgggtctc aggctatttt aggctccac 240
atgatatccc aaagccag 258

<210> 17121

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700960440H1

<400> 17121

cagatcgcag caaaccagag attgaactcc gacgatgcct cccgtcgctc ctcgatccgg 60
cgatgccata ttgcgcaacg tcgaacgcgt caatgcggag ctgtttactt tgacgtatgg 120
cgcaattgtg cgtcaattgc tcacggatct ggaagagggt gaggagggtta acgagcagct 180
tgatcaaatg ggttacaata ttggaatccg attgattgat gagtttttag ctaagtctaa 240
tgtctcaaga tgcaacgatt tca 263

<210> 17122

<211> 261

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700960441H1

 <400> 17122

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 ctctattgct atcatatgcc ttgttctagc tatatttagt tcctgtgtag ccggaataat 120
 taattatctc tatgtctgtt ttgttggttt aaaattcata gctttcgaac tataatgatg 180
 atctgcggag aggagaacgc tcttcgattt gaataacaca atggtaactt ggcattggct 240
 gcgatgctaa aaaataattt c 261

<210> 17123
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960442H1

 <400> 17123

 cagcatgtta cattattact ccattctact ttaggttggt gacgaattga gttattctgt 60
 catccgttga aattgtgttg agagaataac caaatcggtt gacaatctgg tggaggggag 120
 atatcaattt ggaaaggaaa attgtacttt gattaggttg ttggtgatgt tcttttacca 180
 ttcttcctcc ttctgtaaatt attagatctg atgaaacggt tagcagtttg tgaatacagg 240
 ttgctacctg taatgtaag 259

<210> 17124
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960443H1

 <400> 17124

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 ccgatttgtc aaagctggtg atgtctatga ctatgacct ttgaaccaa ccagaagcta 120
 ctgagtgtac aacttttaac catgttctgt aaaaaggaaa gaatcactct atagttgcaa 180
 aagaaaagta actcttacct gaaaaaatgg atgaaatttg atgcattctt tctccatgca 240

atgacaagct gtctgatttt

260

<210> 17125
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700960444H1

<400> 17125

agaccctaga gaagatacca cagtctttga gctcttcagg acggtttgac tttcatataa 60
agctgcctgc tctgcagct tctgagcgca gggctatgtt gaagcatgaa atacagaggc 120
gtcagttgca atgtgatgat gacatcctgc ttgatgtggc tgtagaatgt gatggttatg 180
atggttatga tctggaaata ttagttgaca gaactgtcca tgctgctgtt tgccgttttc 240
tgccatctaa tgctgccat 259

<210> 17126
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700960449H1

<400> 17126

tacagtttac cttttcttgc tcaaaccaac gacgctaacg ctgaaaacaa tctctaccgg 60
tttgtttttc taaacgtcga tggcaacctt tttatctttg ccaacaaccg cgctatcttg 120
ttcgattaca ataagaacag tgtcgtgaga acctaccctc aaatacccggtg ggagatcca 180
cgggtgttatc ctagcaccgg ttccgcagtt ttgcttcctc ttcgagaacc taatgtggag 240
gctgaggttc tgatttgtgg tggaccccgga g 271

<210> 17127
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700960450H1

<400> 17127

gtgcaatggc tgacagatac atcacttgat gctgctcgtc aacgtatcca agaacagtta 60

002220"03650

agtgcgtgta cagctgatat ggttatgctt tctacagatg aaccagagaa gaagaaaaaa 120
gcagcaagta acggaaatgg cggttctcag aatggtaact caatgcacta tgggaccctg 180
gttggggaag tgaaagctaa tttgaagaaa ggtattggag cgaatgaatt gctgtcccat 240
ctttcagcac atcctgcacc tgctcaa 267

<210> 17128
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700960451H1

<400> 17128

taagaaagcc agcttcttct tcttcagctg ctgctgctgc tgctgcttca acttcccaac 60
aaatatttca acacactctc tcattgcttc aatttccgtt acgtaaagcc actttctcaa 120
acctcagttt cctgttggtg tgggtgaagt tgggtgagaga cgaatcttgg ggaattttgg 180
atctgtttgc cgtgaaaccc taatttcttg cttgtgaggc tttggaaatt ggggttctgg 240
ttagatggaa gctgaggatg gaagta 266

<210> 17129
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960453H1

<400> 17129

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accagctcga gataagacat ggaccggatc aaaggcccat ggagtccgga ggaggacgag 120
gctctgcaga agctggtgga gaaacacggg cccaggaact ggtctctgat cagcaagtcc 180
atccccgggc ggtccggcaa gtctcgcagg ctccggtggt gcaacagctg tccccccagg 240
tgagacaccg ggccttcacg gccg 264

<210> 17130
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700960455H1

<400> 17130

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gttgttgcag tgacggagct gagcaagagc aacaaggacc gaatcaacac ctcttccgca 120
ttcaattcct tcgagaacaa ctacgtcatt gtctattccc tcatgatggc tggagattgg 180
ctacaaggtc catatgtcta ctacctttac agtacatatg gatattgggaa gggagacata 240
ggacaactct tcattgctgg t 261

<210> 17131

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960458H1

<400> 17131

cagaaaccct aattttctcaa aatcttcaga ggacacacag cacaaccaac acctccacag 60
cctctcttac ctcccggagc catggccgcc gccgactcct ccgccgtcc atcgcaccag 120
ttgtcgcaga gggagacgga catccagatg atgctcgccg ccgacgttca cctcggcacc 180
aaaaactgcg acttttcagat ggaacgctac gtcttcaagc gcagaaccga tggatatttac 240
ataattaacc ttggcaag 258

<210> 17132

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960459H1

<400> 17132

ggatagatag agtgatacac atcacatttt ctcaaagtaa tttattaatt aataaataaa 60
tggcggcggc ggcggcagtg acggtgctac tcccacctag gattccgacc gccaccaacg 120
ttaccgcgtg ctctgctttg ccttctctgc ctctcgcgg caccaacact aaaaccactt 180
tgctcttata ttccctcaac cacttctcag tgtcccgaaa atcttctctg cttcagacca 240
gagcttcttc agaggaat 258

<210> 17133
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960460H1

 <400> 17133

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 gtgtcttaag aaagagagag atggcggcgg agataccgtg ctgtggaaca aagttttcac 120
 tgtacgtttt ggtgatcata ggtttggtct gcttcgcggg actaatggct ggtctcactc 180
 tcggactcat gtctttggga ctgcgcgacc tcgaagttct catcaaactt ggtcgtcctc 240
 aggatcgcat ccacgc 256

<210> 17134
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960461H1

 <400> 17134

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 ggaaaattcg agaagatttt tcgaattttt caccactgct ttgtgcgcac gatcggtttc 120
 ggattcgggc tccgattttc gcctctcgcg aagagcttgg gttcatttgc actaatggag 180
 gggaaggagg tttgcggggc ggagtcggcg gttgatggaa gccgcgacgt ttggagttcg 240
 gagccctcgc tcgc 254

<210> 17135
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960462H1

 <400> 17135

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 attaccctaa caccagtgat ggcaggtttg gctccagaag gatcgcagtt tgatgctcgg 120

cagtatgact ctaagatgaa tgaattgctt tccgctgatg gacaagaatt tttcacttca 180
 tatgatgaag tctatgatag ttttgatgca atgggccttc aagaaaatct tctcagaggc 240
 atatatgctt atgg 254

<210> 17136
 <211> 97
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960463H1

<400> 17136

cgcgtacgcg gactcgggat tcagctcgac gtcatttca tggtaagctg gcagatgggc 60
 ataggatgtg tgatgattgt cttttgtccg tcactgc 97

<210> 17137
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960464H1

<400> 17137

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 gattttttac tgctcaagag agaagaggga gaagagatat gtcctttgtc cctaagagaa 120
 aatccaagca aagtccacat cagaagaact ctacaagaca caaccaacac acctaccaca 180
 gttttcccca caaatccaac cgggccttca cctgtaatca cacctccaga tacaccagac 240
 atcatcacag ttcctt 256

<210> 17138
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960465H1

<400> 17138

cggaaacttg gaacaatggc tgcatggtga tgtaggacca gttagcccct tgacatggga 60
 tattcgaatg agaattgcta ttgggactgc aaaagggtta gcctatctgc atgaaggttt 120

